

**IT Expert in
Software development, DevOps,
Project management**

Alexander Grinin (M. Sc.)

Born 1983

Professional experience: 18 years

Project management: 5 years



GitHub: github.com/pacer05

Stack Overflow: stackoverflow.com/users/2432223/pacer05

Areas of expertise, expertise, competences

Areas of expertise: Technical project management, product management, software development, devops, consulting, organization, coordination, system integration.

Experience: Senior developer, Architect, Scrum Master, Product Owner, Team Lead, Project Manager, Tester.

Competences: Application and system programming, analysis and communication between technical departments and developers for larger and more complex software solutions in different IT environments, design, specification, programming, testing, project management, creation of online help, training, seminars, reporting, technical documentation/specifications.

Skills

Programming: C#, VB.NET, .Net-Core, F#, ShellScripts, Groove, Java 11, Java EE, C/C++, Visual C++, Skala, PHP, HTML, JSON, CSS, Javascript, JQuery, VBA, XML, XSD, XPath, Node.JS, Angular JS, Python.

Frameworks: Microsoft .NET, Spring, Play!, Maven, MyBatis, Hibernate, Infragistics, Silverlight, WCF, WPF, Qlik, Tableau.

Methods: DevOps, SCRUM, Kanban, Test Driven Development, Wasserfall, V-Modell, Agile, Prototyping, Unit Tests, CI/CD.

Databases: MS SQL, MS Access, MySQL, PHPMyAdmin, MySQLAdmin, Oracle, PL/SQL, SQL, TOAD, Redis, Cassandra, Informix, SAP Sybase.

Development environments: Microsoft Visual Studio, Visual Studio Code, Eclipse, Microsoft Expression, Borland, Pentaho BI & DI, DevExpress, Aptana, Ultraedit, NotePad++, Android Studio, IntelliJ IDEA

Operating Systems: Windows 10, Windows Server 2020, Mac OS 13.5, Linux (Ubuntu, Debian), MS-DOS, Citrix.

Networking: Apache, DSL, IIS (Internet Information Server), ISDN, LAN, Ethernet, TCP/IP, UMTS, WLAN 802.11 a/b/c/g/n, FTP, NFS, SSH, Putty.

Testing: Junit, MSTest, Selenium, Log4Net.

Design und Modeling: OOA, OOD, UML, OLAP, MVVM, MVC.

Server und Cloud Technologies: Azure, Azure Active Directory, Amazon Web Services (AWS), IaaS, PaaS, Kafka, Kubernetes, Docker, Terraform, Microservices, BizTalk, RabbitMQ, Apache Tomcat, Jenkins, SOAP, REST.

Versions management: JIRA, Confluence, Mantis, Team foundation Server (TFS), Microsoft DevOps, SVN, CVS, Git, GitLab, GitHub, VSTS, NuGet, Gradle, NSIS, MSI Installer.

Office Apps: MS Office 2021 (Word, Excel, PowerPoint, OneNote, Visio, Access, Publisher, Project), Office 365, LibreOffice, Open Office, Google Workspace, Adobe Photoshop, Adobe Illustrator, Adobe Acrobat, LaTeX.

Certificates

MCSD: Windows Store Apps Using C#

MCSD: Application Lifecycle Management

MCSA: Windows 7

MCSA: SQL Server 2012

PRINCE2 Foundation

PRINCE2 Practitioner

ORACLE Certified Associate, Java SE 7 Programmer

ORACLE Certified Professional, Java SE 7 Programmer

ITIL V3 Foundation

PSM I Professional Scrum Master

PSPO | Professional Scrum Product Owner

Industry experience

Banks, investments, bonds, funds, credit, payment transactions

Custody, Blockchain

Civil and Government services

Hedge funds, insurance

Energy, electricity, gas, water

Research, geology, railroads, environment, supply and disposal

Engineering, construction, statics

Aerospace, Education, Games

Project list

01.2018 – till now State of Hesse represented by Hessian Data Processing Center (HZD)

- Industry: Public Service
- Location: Wiesbaden, Germany
- Position: Project Manager, Product Owner, Scrum Master, Team Lead, Software Developer, Tester
- Tasks:
 - Development and implementation of the cross-federal state consensus (KONSENS) procedure for the creation of electronic correspondence and templates for tax offices and other structures within the Ministry of Finance Hesse. Documents were created using predefined packages with XSLT schemes based on the XML format.
 - Implementation of enforcement and deferral proceedings for 47 tax offices in Hesse on behalf of the chief financial officer in Frankfurt
 - Implementation of various laws in the finance department such as OZG (Online Access Act), GDPR (Data Protection Act), StPO (Criminal Procedure Code), WvVG (Administrative Enforcement Act), etc.
 - Porting of old programs in the entire project landscape based on modern cloud technologies. Migration applications into Git Repositories.
 - Porting of old LandesOffice VBA systems over the past 30 years into VB.NET. Porting from old C / C ++ systems to newer versions
 - Introduction of SCRUM within the team, position of SCRUM master. Creation and support of sprints. Creation of statistics and reports and their forwarding to the stakeholder. More than 100 Sprints were hosted.
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- Project management and management: acceptance of requirements from the specialist side and their prioritization. Allocation of tasks within the team. Control of the results and support of the acceptance processes with the internal customers.
- Conversion of the entire infrastructure of the IT department from VSTS and VSS to Git. Creation and use of repos and branches.
- Introduction of CI (Continuous Integration) and CD (Continuous Delivery), builds, releases and package creation using NuGet with the help of TFS 2018 and DevOps 2019.
- Creation and management of tickets, documentation, knowledge database, user instructions, specifications and functional specifications.
- Implementation of tickets, coding, peer reviews, testing, creation of unit tests.
- Training and integration of new colleagues, participation and participation in interviews and selection processes.
- Technologies: C/C++, C#, .NET, VB.NET, .Net-Core, MS-SQL, VBA, SCRUM, TFS, Azure DevOps, Git, Visual Studio, XML, XSLT, NuGet, MS Project, ITSM
- Web portal: <https://hzd.hessen.de>
- Team size: 10 people
- Project language: German

08.2020 – 02.2023 Trustody GmbH

- Industry: cryptocurrencies, custody
- Location: Frankfurt, Germany, Zug Switzerland
- Position: Managing director, product owner, project manager
- Tasks:
 - Management activity within the framework of Trustody GmbH. Development of the overall strategic concept of the company.
 - Development of the custody cloud platform based on the Hardware Security Module (HSM) from Securosys AG (Switzerland): the system was divided up in such a way that the backend (Java 11, MySQL, HSM, zmq) was in the cloud, distributed on several servers (database, microservices, HSM etc.). There was also a frontend in Angular and the mobile apps in the iPhone, in TestFlight in the App Store and on the Android Google Store. The entire system consisted of three (development, stage, production) and was tested and rolled out using CI/CD pipelines. Everything was first hosted by a private provider and later in the AWS Cloud. Versioned in Git.
 - Preservation of the license from BaFin according to 64y KWG to permit activities with crypto currency transactions. Preparation of the documentation. Consultations with the authorities.
 - Product owner of the custody platform developed by Trustody based on the Hardware Security Module (HSM) from Securosys AG. Communication with the developers and stakeholders.

- Maintenance of the backlog, organization of the processes. Scrum Master activity in the context of software development.
- Technologies: Java 11, Jenkins, Gradle, IntelliJ IDEA, Swagger, MySQL, zmq, HSM, Nacos, Keycloak, React, Angular JS, JSON, XML, MS Office, AWS, Git, Microservices, Blockchain, Bitcoin, Ethereum, Terraform, Kubernetes, Docker.
- Web portal: <https://trustody.io>
- Team size: 15 people
- Project language: German, English

08.2019 – 11.2019 HUK-Coburg

- Industry: Insurance
- Location: Coburg, Germany
- Position: Software Developer, System Administrator
- Tasks:
 - Participation in the update from TFS 2018 to DevOps 2019 in HUK-Coburg headquarters. Porting and adaptation of existing security guidelines of several teams and users within 2000+ Git repositories.
 - Creation of the porting and security concept together with the internal employees of HUK-Coburg.
 - Implementation of the necessary functionality in C # .NET for the automated creation of new types of standardized repositories. Creation of methods for porting and adapting existing user rights.
 - Creation of documentation and user instructions.
- Technologies: C#, .NET, TFS 2018, DevOps 2019, Git, VSTS, Visual Studio 2017, JSON.
- Web portal: <https://huk.de>
- Team size: 4 people
- Project language: German

12.2017 – 08.2018 PwC AG

- Industry: Banks, Fonds
- Location: Full Remote
- Position: Software-Developer, Tester
- Tasks:
 - Participation in the development of the internal Stress Test Tool according to EBA (European Banking Authority) methodology and guidelines for ABN AMRO Bank N.V. as part of the preparation for EBA-EU-Wide stress test 2018.
 - Monitoring and assessing market developments as well as identification of trends, potential risks and risks. Comparison of the results with other banks and previous years based on the self-created excel engine.

- Work on the frontend and backend parts of the client backend based application. Implementation of functionality and bug fixing. Testing and creating installation packages.
- Creation and update of tickets, documentation, user manuals, specifications and specifications.
- Full-remote project with team distributed in three countries (DE, NL, CZ).
- Technologies: F#, Python, Angular JS 1.6, Excel, C#, JIRA, Google Workspace, GitLab, SCRUM.
- Web portal: <https://www.pwc.de>
- Team size: 8 people
- Project language: English

10.2017 – 12.2017 Commerzbank AG

- Industry: Banks, Fonds
- Location: Frankfurt, Germany
- Position: Teamlead, Software Architekt
- Tasks:
 - Participation in the development of the IPV (Independent Price Verification) process consisting of five different internal programs (CPLM, Aurora, MCC, Prodigy, Rubix) for the verification of the conformity of daily market prices (trades) of Commerzbank on various financial instruments (equities, derivatives, Funds, hedges, exotics, etc.) and various exchanges (Frankfurt, Singapore, Tokyo, New York, San Paolo) in real time. The tasks were in detail:
 - Daily, Monthly and Yearly PnL (Profit and Loss) Reporting on trade level. Adjustment of PnL by creating adjustments and holidays.
 - PnL workflow for signoff. Configuration of report processing, e.g. filtering and mapping. Dirty and Clean PnL reporting. ETL (Extract, Transform, Load) for system feeds. Transfer (by mail, to network drives or other systems) of reporting results and ability for users to set this up.
 - Access to "raw" feed data as well as results in depth analyzes. Simulation of changes in the processing / reporting configurations.
 - Participation in the conception for the conversion of the IPV process to Qlik as part of Commerzbank 4.0 strategy. Revision of the architecture. Creating prototypes of this study using Qlik Sense. Data porting from SAP SyBase database and ETL in Qlik Sense.
 - Cooperation with near-shore developer team in Prague. Preparation and distribution of tasks. Creating tickets and backlog items in sprints. Communication with stakeholders.
 - Creation and update of documentation, user manuals, specifications and specifications.
- Technologies: C#, .NET 4.0, SAP SyBase 16, TFS 2012, SCRUM, MS Office, Qlik, ITIL, ETL.

- Web portal: <https://commerzbank.de>
- Team size: 10 Personen
- Project language: German, English

08.2016 – 10.2017 PwC AG

- Industry: Advisory, Audit, Consulting, Banks, Insurance
- Location: Frankfurt and Düsseldorf, Germany
- Position: Software-Developer
- Tasks:
 - Work in Development Core Team on "helix" project, a portal and App Store for PwC internal services and products. Manufacturing tools and supporting data science team.
 - Programming, rollout and deployment in Azure Cloud of Big Data services on demand within the company. Programming of the automatic roll out of virtual servers with the necessary software packages.
 - Design highly-available, redundant, public cloud architectures, utilizing IaaS and PaaS, for large scale, mission critical applications and high-transaction workloads.
 - Design and innovate Microsoft technologies and solutions for effective resource allocation, automated application deployment and zero downtime upgrades and maintenance.
 - Design scalable solutions within "helix" for managing core infrastructure maintenance, including backups, updates, anti-virus/malware etc.
 - Build the strategy for, and oversee the implementation of, a comprehensive service and performance monitoring and log aggregation system.
 - Develop a migration approach to move workloads from On-Premises to Azure or develop new cloud-ready application solutions.
 - Calculations and preparation of invoices based on monthly billing reports from Azure architecture costs and forwarding them to Project Owner.
 - Creation and updates of SCRUM sprints, communication with Data Analytics Team, Performance Analysis, infrastructure optimization, bug fixing, reporting, operational support. Continuous Integration of the new features into existing modules.
 - Unit Testing, TDD (Test Driven Development), Code reviews, Code refactoring, documentation, internships support.
- Technologies: Windows Server 2016R2, C#, .NET 5.0, Azure Portal, Azure Active Directory, Python, SQL Server 2014, XML, CSS, HTML, Git, Umbraco, ASP.NET, Visual Studio 2017, IaaS, PaaS, Rest APIs, Virtual Machines, JSON, VS Team Services, MS One Note, MS Office 2016, PowerShell, ARM, Virtual Networks, Adobe Acrobat, SCRUM, Tableau, Qlik.
- Web Portal: <https://helix.pwc.com>
- Team size: 20 people

- Project language: German, English

12.2015 – 06.2016 KUKA Industries GmbH & Co KG

- Industry: Mechanical Engineering
- Location: Obernburg, Germany
- Position: Software-Entwickler
- Tasks:
 - Development and maintenance of FC_Template_Exporter, a software to export project data from existing ERP, accounting and marketing systems, for creating reports and graphic evaluations of ongoing projects and the historicizing of key data from past projects.
 - Development and maintenance of End Acceptance WiP Report, a software for aggregating and exporting project data from existing ERP, accounting and marketing systems in the manufacturing testing phase for further analysis by the departments
 - Further development of the Electronic Order Form, a software for managing and settling of production orders for the production of machine parts
 - Various SQL and Excel VBA evaluations / interfaces, a software for analysis, aggregation and analysis of data from various DBMS and other sources, reports and exports, infrastructure optimization and bug fixing existing tools
 - Requirements analysis, design and architecture design
 - Review and adaptation of the surface and the back end according to requirement analysis
 - Development of new features in C #, VBA, SQL
 - Planning and implementation of rollouts with Inno Script Installer
 - Bug fixing, operational support, optimization of the back-end infrastructure
 - Migration of stored procedures and tables from old to new SQL Server, creation of the new SQL Agent jobs
 - Maintenance of the user manuals
- Technologies: Windows 2012R2, C#, .NET 4.0, SQL Server 2012, XML, Excel, VBA, HTML, SVN, Infragistics, EPPlus, Informix, WinForms, Inno Script Installer, MM Marketing Manager, DevExpress
- Web Portal: <http://kuka.de>
- Team size: 5 people
- Project language: German

06.2015 – 01.2016 Samsung Europe Ltd.

- Industry: Mobile App Development, Entertainment
- Location: Schwalbach, Germany
- Position: Software Developer, Team Manager Assistant
- Tasks:
 - Backend development of Samsung KICK Football Android App (Google App Store: Samsung KICK) with Java and Node.js

- Development and maintenance of Java Server Backend side in Spring Framework incl. database queries, PUSH message sending and communication with frontend Android App.
 - Management of news content providers, improvements to deployment frequency, distribution of tasks, ticket management in JIRA, planning and creating fallback strategies.
 - Creation and updates of SCRUM sprints, communication with frontend team in London, UK, Performance Analysis, infrastructure optimization, bug fixing, reporting, operational support.
 - Unit Testing, TDD (Test Driven Development), Code reviews, Code refactoring, documentation.
- Technologies: Windows 7, Eclipse, Java EE, Node.JS, MySQL, SVN, Redis, XML, Jenkins, Spring Framework, Maven, MyBatis, Hibernate, Linux, Amazon AWS, Jira, Confluence, Photoshop, Scrum, Agile, Android Studio, Gradle, RabbitMQ JSON, RESTful Webservices, REST.
 - Web Portal: <http://play.google.com/store/apps/details?id=com.samsung.kick&hl=en>
 - Team size: 15 people
 - Project language: English

11/2012 – 12/2014: Landesamt für Geoinformation und Landentwicklung des Landes Baden-Württemberg (State Office for Geo-information and Land Development of the State of Baden-Württemberg, Germany)

- Industry: Public Service
- Location: Stuttgart, Germany
- Position: Software Developer, Tester
- Tasks:
 - Fundamental redesign of the back-end, the database and the front-end (GUI) for the Microsoft Active Directory interface (ADI).
 - Fundamental redesign of the back-end, the database and the front-end (GUI) of the in-house CMS “OFMS Up-/Download-Portal“.
 - Creation of a custom WYSISYG XML editor (CMS) for the visualization and maintenance of a large XML file for Citrix-Farm applications, both front-end (GUI) and back-end.
 - Porting of an in-house web-based tool for the mirroring of the behavior of the user on a new platform, with both front-end (GUI) and back-end adaptations.
 - Takeover and further development of applications in .NET environment
 - Conception and design of an architecture
 - Prototyping of processes
 - Assistance in the conversion to an ActiveMQ infrastructure
 - Conversion of the Microsoft Access back-end data base to PostgreSQL

- Creation and linking of GUIs in WPF.
 - Creation, redesign and adaptation of user interfaces (front-end) according to requirement analysis
 - Assistance in planning and implementing the rollout
 - Optimization of the back-end infrastructure, bug fixing, operational support
 - Writing and performance of unit tests
 - Maintenance of developer and user manuals
- Technologies: Windows XP, Windows 7, Windows Services, Citrix, .NET 4.0, SVN, Redis, ActiveMQ, Internet Explorer, Powershell, MySQL, PostgreSQL, Active Directory, XML, SVN, MS Access, TopShelf, WPF, WCF, UnitTests, MVVM, MVC, CMS, Windows Server 2003, 2008.
 - Web Portal: <https://www.lgl-bw.de>
 - Team size: 5 people
 - Project language: German

09/2012 – 03/2013 Serious Games Solutions GmbH, Germany

- Industry: Game development
- Location: Potsdam, Germany (Remote)
- Position: Software Developer, Team Leader
- Tasks:
 - Development and completion of a web-based application for testing of applicants' responsiveness concerning coordination and decision lines for the scheduling of road patrol drivers for ADAC e.V.
 - Development of GUI (front-end) with admin panel (back-end + CMS)
 - Writing and performance of unit tests and acceptance tests
 - Creation of documentation, including service handbooks and functional specifications
 - Budget responsibility, team building (3 persons), team management and coordination.
- Technologies: Windows7, Mac OS, Ubuntu Linux, Eclipse, Tomcat, Java, MySQL, Play! Framework, Groovy, JavaScript, HTML, CSS, SVN, Pentaho DI, Scripting, MS Excel, MS Word, Adobe Photoshop, Mantis Bug Tracker, Selenium.
- Web portal: <https://www.serious-games-solutions.de/>
- Team size: 5 people
- Project language: German

Professional career

12/2010 – 09/2012 Watt Deutschland GmbH, Germany

- Industry: Energy Trading
- Location: Frankfurt, Germany
- Position: Software Developer
- Tasks:
 - Design, development and completion of a market communication system (CRM and CMS) for multiple clients.
 - Implementation of a web-based and automated electronic audit system (ERP with DMS), including development and completion.
 - Creation and linking of GUIs (front-end) in WPF, Silverlight (XAML).
 - Creation of documentation, including service handbooks, requirements and functional specifications
 - Takeover and further development of applications in .NET environment
 - Unit, integration and stress tests. Agile development using Scrum
 - 2nd level support, acceptance, processing, implementation and troubleshooting of new requirements
- Technologies: Windows 7, Windows 2008 R2, C#, .NET 4.0, Silverlight, XAML, WCF, WPF, BizTalk, IIS, Unit Testing, SQL Management Studio, Pentaho BI, Scrum, MS Excel, Word, MS SQL (TSQL), MVVM, MVC.
- Web Portal: <https://www.watt.de/>
- Team size: 15 people
- Project language: German

05/2010 – 10/2010 zeb.it GmbH & Co. KG, Germany

- Industry: Business consultancy for financial services, banking institutions and insurance companies.
- Location: Frankfurt, Germany
- Position: IT-Consultant
- Tasks:
 - Implementation of a risk management system for hedge fund management at RZB Austria
 - Implementation and customization of the BASEL II reporting tool at the Team Bank AG in Nürnberg
 - Request for Proposal (RFP) of infrastructure outsourcing at the BHF Bank AG in Frankfurt
 - Analysis and documentation of customer requirements
 - Project negotiations with customers in English and German
- Technologies: Windows, XP, Vista, 2000, Oracle, PL/SQL, Citrix, Scripting
- Web Portal: <https://www.zeb.de/>
- Team size: 5-10 people
- Project language: German

01/2008 – 09/2009: Department of Aerospace Technology at the RWTH Aachen, Germany

- Industry: Research in design and operation of aircraft and spacecraft and further development of system components
- Location: Aachen, Germany
- Position: Software Developer.
- Tasks: Design, development and completion of the web wizard written in Java to work with aircraft manufacturers' MySQL databases for the research and automatic evaluation of aircraft measurement data of for specific experiments concerning range, statics, etc.
- Technologies: Eclipse, MySQL, XML, SVN, Design Patterns, NSIS Scripting, Java, SWT, Swing
- Web Portal: <http://www.ilr.rwth-aachen.de/>
- Team size: 3 people
- Project language: German

04/2007 – 09/2007: Department of Operating Systems at the RWTH Aachen, Germany

- Industry: Research in parallel and real-time computing distributed computing for complex system simulation.
- Location: Aachen, Germany
- Position: Teacher, Assistant, Software Developer.
- Tasks: Running the workshops. Supervision of students in the C++ programming practice during the semester. Assistance in the development of software components for distribution of resources (performance, storage) in a department infrastructure.
- Technologies: SUSE Linux, Windows 2003, Windows XP, Borland JBuilder, Java, C++, XML, Visual Studio 2005, MySQL, SQL, PHPMyAdmin, Microsoft Office (Word, Excel, PowerPoint, Visio), MS Project.
- Web Portal: <http://www.lfbs.rwth-aachen.de/>
- Team size: 5 people

02/2006 – 03/2007: Department of Geotechnical Engineering at the RWTH Aachen, Germany

- Industry: Research in foundation engineering, soil mechanics, rock mechanics and navigable waterway engineering
- Location: Aachen, Germany
- Position: Researcher, Software Developer.
- Tasks: Support of several doctoral candidates at the Department of Geotechnical Engineering. Topic: Effects of structural measures to avoid the influence of oscillations on surrounding buildings. Development of all programs for calculating these effects in Visual Basic. Visualization (2D, 3D) of the data and their

evaluation in Excel using VB scripts. Creation and revision of lecture notes in LaTeX.

- Technologies: Windows XP, Windows 2003, Visual Studio 2005, VB, VBA, Visual Basic, MS-Office Macros (Word, Excel, PowerPoint), LaTeX, MS Project.
- Web Portal: <http://www.geotechnik.rwth-aachen.de/>
- Team size: 5 people
- Project language: German

06/2004 – 12/2005: QCG Computer GmbH, Germany

- Industry: Customer service for 3C products, RMA repair service, RMA parts swap service, CTO assembly service.
- Location: Aachen, Germany
- Position: Support assistant for hardware repair of laptops, hardware and structure assembly. Performance of white-box and black-box tests, stress tests, smoke tests, integration tests. Writing scripts (batches) for automation of test runs. Writing test documentation.
- Technologies: Windows XP, Hewlett Packard Quality Center, Microsoft Office (Word, Excel), 3D Benchmark.
- Web Portal: <http://www.quantade.com/>
- Team size: 20 people
- Project language: English

Education

10/2004 – 12/2009: RWTH Aachen, Germany

- Degree in computer science with a minor in psychology
- Specialization: design of interactive systems
- Final grade: 1.8

09/2000 – 02/2002: Volgograd State Technical University, Russia

- Course of studies in computer science: 3 semesters.

07/1999 – 06/2000: Houston County High School, Erin TN, USA

- Final grade: B+

09/1990 – 08/2000: Gymnasium №9 in Volgograd, Russia

- Final grade: 1.3 (converted)

Languages

German (fluent)

English (fluent)

Russian (native language)

References are available upon request.