Aliaksandr Sebiashuk

Senior Fullstack Developer | IT Consultant | DevOps | Freelancer

Contact Information

asebeshuk@gmail.com
0176-72787150

http://sebiashuk.de/
LinkedIn, Xing, Freelance, GULP ID: 159753

Summary

Experienced Senior Java Developer and IT Consultant with a proven track record of delivering high-quality software solutions. Adept at analyzing client requirements, designing robust systems, and providing expert guidance. Thrives in dynamic environments, excelling as a freelancer with a commitment to delivering excellence.

Skills

- Java (SE/EE), Spring (Spring Boot), Kotlin, Quarkus
- Angular, React, Typescript, Javascript, HTML, CSS
- Tomcat, Jetty, Payara, Weblogic, Apache
- Oracle, Postgres, MySQL, Redis, Cassandra, PL/SQL, SQL
- KAFKA, MQTT, JMS, REST, SOAP, S3
- AWS, Azure, OpenShift
- Jenkins, GitHub, CI/CD, Docker, Kubernetes, Helm, ArgoCD, Graphana, Kibana, Sonar, Protractor, Keycloak
- Agile, Scrum, Jira, Confluence

Languages

- English: Fluent
- Russian: Native proficiency
- German: Fluent

Professional Experience

- Collaborated with clients to understand their business needs and provided tailored IT solutions.
- Developed and maintained Java/Spring/Quarkus/Kotlin/Angular/React applications, ensuring optimal performance and scalability.

- Successfully integrated microservices architecture into projects, leveraging the capabilities of Quarkus for optimal resource utilization.
- Implemented secure and efficient database designs, enhancing data management processes.
- Conducted code reviews and provided mentorship to junior developers, fostering a collaborative team environment.
- Led the development of critical modules in Java, contributing to the successful delivery of projects.
- Designed and implemented RESTful/KAFKA APIs using Java/Quarkus/Spring Boot/Kotlin, improving overall system efficiency.
- Collaborated with cross-functional teams to gather and analyze requirements for new features.
- Engineered automated deployment pipelines.
- Led the migration of legacy systems to modern cloud infrastructure with minimal downtime.
- Implemented Infrastructure as Code (IaC) principles using Terraform/Kubirnates and Ansible.
- Established CI/CD pipelines with Jenkins/GitHub.
- Implemented comprehensive monitoring solutions with Prometheus and Grafana, minimizing downtime.
- Fostered collaboration between development and operations teams, ensuring alignment of goals.
- Conducted performance assessments, optimizing system efficiency and improving response times.
- Stayed abreast of industry trends and incorporated best practices, enhancing the overall quality of Java applications.
- Setup and integration of authentication and authorization with Keycloak, including the configuration of Single Sign-On (SSO) and role-based access control for applications.

Education

MDA | Postgraduate | Belarusian State University of Informatics and Radioelectronics | 2001-2004

Graduate Engineer | Belarusian State University of Informatics and Radioelectronics | 1996-2001

Certifications

Sun/Oracle Certified Java Programmer (SCJP 2004)

Projects

2024.06-2025.12 | SWM | ANÜ | DE

Role

Senior Fullstack Developer, DevOps

Overview

Led the design and development of a commissioning service for municipal utilities in Munich, utilizing Angular/React for frontend development, Spring Boot/Kotlin for backend development, Keycloak for authentication and Azure for cloud infrastructure. The service streamlined the commissioning process, enabling efficient management and deployment of utility services.

Responsibilities

Fullstack Development

- Analyzed project requirements and designed a robust architecture for the commissioning service. Developed the frontend using Angular/React, ensuring a responsive and intuitive user experience. Implemented backend services with Spring Boot/Kotlin and PostgreSQL, facilitating data management and integration. Established RESTful APIs for seamless communication between frontend and backend components, enhancing service performance and reliability.

DevOps Implementation

- Established CI/CD pipelines in GitHub Actions, automating build and deployment processes for the commissioning service. Implemented Infrastructure as Code (IaC) practices with Terraform to enhance scalability and facilitate rapid deployment to Azure.

Technologies

Sprint Boot, Kotlin, Angular, React, Docker, GitHub, Terraform, Azure, PostgreSQL, Keycloak

2022.10-2024.05 | BMW | Freelance | DE

Role

Senior Fullstack Developer, DevOps

Overview

Led the development and implementation of a data-driven ticket and report system, leveraging Quarkus framework for backend development, AWS for cloud infrastructure, and Camunda for workflow management. The system provided efficient handling of tickets and generation of reports based on data analysis.

Responsibilities

Fullstack Development

- Designed and developed microservices using Quarkus, optimizing resource utilization and enhancing application efficiency.

- Implemented frontend interfaces using Angular, providing a responsive and user-friendly experience for users interacting with the system.

- Implemented RESTful/KAFKA/S3/DB APIs, ensuring seamless integration and efficient communication between services.

- Implemented workflow management using Camunda, facilitating streamlined processes for ticket resolution and report generation.

Technical Conception & Management

- Designed technical concepts and architectures for the data-driven ticket and report system, ensuring alignment with project objectives and requirements.

- Managed the rollout of system updates and enhancements, coordinating with stakeholders to ensure successful deployment within defined timelines and budgets.

Operational Management

- Oversaw the operational aspects of the ticket and report system, including infrastructure management, application management, and service delivery.

- Collaborated with cross-functional teams to address operational challenges, optimize processes, and enhance system performance.

- Orchestrated the rollout of system updates and enhancements, defining rollout strategies, coordinating with stakeholders, and ensuring successful deployment.

- Managed communication with stakeholders, providing regular updates on rollout progress, addressing concerns, and ensuring alignment with project objectives.

DevOps Implementation

- Established CI/CD pipelines with GitHub, automating build and deployment processes for Quarkus applications.

- Utilized Terraform for Infrastructure as Code, improving scalability and maintenance.

Containerization and Orchestration

- Employed Docker for containerization, ensuring consistency across environments.

- Orchestrated Quarkus microservices with Kubernetes, optimizing resource allocation.

Technologies

Java, Quarkus, Camunda, Angular, Docker, Kubernetes, GitHub, Terraform, Prometheus, Grafana, AWS, PostgreSQL, Oracle, S3

2022.01-2022.10| BMW | Freelance | DE
Role

Senior Java Developer

Overview
Led the integration of Kafka messaging system into WebLogic applications, enhancing real-time data processing and communication capabilities.

Responsibilities
WebLogic Development:
- Implemented enhancements and optimizations to existing WebLogic applications, ensuring robust performance and reliability.

- Collaborated with cross-functional teams to gather requirements and align development tasks with project goals.

Kafka Integration:
- Integrated Kafka messaging system into WebLogic, enabling efficient and scalable event-driven communication.

- Implemented Kafka producers and consumers, ensuring seamless data flow between applications.

Technologies

Java, WebLogic, KAFKA, Oracle, Jenkins

2021.01-2021.12| BMW | Freelance | DE
Role

Senior Fullstack Developer

Overview
As a Fullstack Developer, contributed to the end-to-end development and deployment of a comprehensive application stack, leveraging Java and Angular technologies. The project involved integration with Payara, Azure, Kafka, MQTT, Jenkins, and PostgreSQL to create a robust and scalable solution.

Responsibilities
Fullstack Development:
- Designed and implemented Java-based backend services using Payara, ensuring optimal performance and reliability.

- Developed responsive and user-friendly front-end interfaces using Angular, providing an intuitive user experience.

Cloud Integration with Azure:
- Integrated the application with Azure services, leveraging cloud capabilities for scalability, security, and availability.

Event-Driven Architecture with Kafka and MQTT:
- Implemented Kafka for real-time event streaming, facilitating seamless communication between microservices.

- Utilized MQTT for lightweight and efficient messaging, enhancing communication in low-bandwidth scenarios.

CI/CD with Jenkins:
- Implemented and maintained CI/CD pipelines using Jenkins, automating the build, test, and deployment processes.

DevOps Practices:
- Applied DevOps practices for continuous improvement and collaboration between development and operations teams.

Database Integration with PostgreSQL:
- Designed and optimized database schemas, ensuring efficient data storage and retrieval in PostgreSQL.

Technologies

Java, Angular, Payara, Azure, Kafka, MQTT, Jenkins, PostgreSQL

2017.04-2020.12| BMW | Freelance | DE
Role

Senior Fullstack Developer

Overview
Led the development and integration of a robust enterprise solution, combining Payara, Oracle MQ, Kafka, AWS, Spring Boot, and Angular technologies. The project focused on creating a scalable, high-performance system with seamless communication and efficient data flow.

Responsibilities
Fullstack Development:
- Developed backend services using Spring Boot and java, ensuring optimal performance and compatibility with Payara.

- Implemented responsive and intuitive front-end interfaces using Angular for an enhanced user experience.

Message Queuing with Oracle MQ and Kafka:
- Integrated Oracle MQ and Kafka for efficient and reliable message queuing and streaming capabilities.

- Implemented communication patterns to ensure seamless data flow between microservices.

Cloud Integration with AWS:
- Utilized AWS services for cloud scalability, reliability, and secure data storage.

RESTful API Development:
- Designed and implemented RESTful APIs for seamless communication between frontend and backend components.

CI/CD with Jenkins:
- Implemented and maintained CI/CD pipelines using Jenkins, automating the build, test, and deployment processes.

DevOps Practices:
- Applied DevOps practices for continuous improvement and collaboration between development and operations teams.

Database Integration with PostgreSQL:
- Designed and optimized database schemas, ensuring efficient data storage and retrieval in PostgreSQL.

Technologies

Payara, Oracle, MQ, Kafka, AWS, Spring Boot, Angular, REST, Jenkins

2015.04-2017.03| Telefonica | Freelance | DE
Role

Senior Fullstack Developer

Overview
Led the end-to-end development of a Mobile Payment System, utilizing Spring Boot, PostgreSQL, REST, Jenkins, and Tomcat technologies. The project focused on creating a secure and efficient platform for mobile transactions.

Responsibilities
Fullstack Development

- Implemented backend services using Spring Boot, ensuring secure and scalable transaction processing.

- Developed responsive and user-friendly front-end interfaces for mobile platforms.

Database Management with PostgreSQL
- Designed and optimized the database schema in PostgreSQL, ensuring efficient data storage and retrieval for financial transactions.

RESTful API Development
- Designed and implemented RESTful APIs to facilitate communication between mobile devices and the backend system.

Continuous Integration with Jenkins
- Implemented CI/CD pipelines using Jenkins, automating the build, test, and deployment processes for enhanced development workflows.

Server Deployment with Tomcat/Apache
- Configured and deployed the application on Tomcat servers, ensuring a stable and scalable runtime environment.

Technologies
Spring Boot, Angular, PostgreSQL, REST, Jenkins, Tomcat, Apache

2014.10-2015.04| Audi | NTT Data | DE
Role

Senior Java/Ruby Developer, Rollout Manager.

Overview
Led the development and implementation of Audi's mobility services, leveraging the Modular Backend Construction Kit (MBB) to build various services integrated into the Connected Car Center (CCC). Ensured the seamless provision of high-quality services to end customers worldwide, emphasizing efficiency, scalability, and performance. Oversaw the transfer of the current MBB and services software version into the NTT Enterprise Cloud, as well as the deployment of new services for defined markets and brands. Managed the organizational and procedural operations of the CCC service, with end-to-end responsibility from infrastructure to application management.

Responsibilities
Operational/Rollout Management

- Oversaw the organizational and procedural operations of the CCC service, including infrastructure management, application management, and service delivery.

- Collaborated with cross-functional teams to address operational challenges, optimize processes, and enhance service quality.

- Orchestrated the rollout of new services, defining rollout strategies, coordinating with stakeholders, and ensuring successful deployment within defined timelines and budgets.

- Managed communication with stakeholders, providing regular updates on rollout progress, addressing concerns, and ensuring alignment with project objectives.

Fullstack Development

- Developed and maintained backend services using Java, Ruby, Oracle, and Tomcat, ensuring the efficient delivery of mobility services.

- Utilized Docker for containerization and orchestration of services, optimizing scalability and performance.

- Implemented continuous integration and deployment pipelines using Jenkins for automated build and deployment processes.

Technologies
Java, Ruby, Oracle, Docker, Chef, NTT Cloud, Apache

2013.07-2014.09| BMW | NTT Data | DE
Role

Senior Fullstack Developer, Technical Project Manager.

Overview
Led the technical evaluation, design, and implementation of the TSSB system, providing central processing of all Teleservice messages in BMW AG to ensure security and compliance. Collaborated with suppliers to assess requirements, provide technical designs, and implement solutions while offering IT perspective advice in specialist concepts.

Responsibilities
Technical Project Management

- Managed technical aspects of the project, including requirement assessment, design, implementation, and deployment of quarterly releases.

- Collaborated with project manager and colleagues to coordinate development efforts and ensure alignment with project objectives.

- Acted as the technical contact person for the project, providing guidance to less experienced colleagues and addressing technical inquiries.

- Participated in coordination meetings with project leaders, providing updates on progress and technical aspects of the project.

- Represented the project manager to the customer when necessary, ensuring effective communication and coordination.

Fullstack Development

- Led the development of functions within the TSSB system, working independently to acquire necessary technical skills and implement solutions.

- Documented technical extensions in the IT concept, ensuring clarity and coherence in project documentation.

Technologies
Java, JSF, Oracle, WebLogic 10, Apache

2007.09-2013.06| DJG Dr. Jung Group GmbH | DE
Role

Senior Fullstack Developer, Architect, Technical Project Manager.

Overview
Led the technical analysis, architecture, and development of a comprehensive system for marketing, call center operations, and questionnaire management for promoting medicines. The system facilitated targeted marketing campaigns, call center management, and patient questionnaire administration. Leveraged PHP and PostgreSQL technologies to ensure reliability, scalability, and security. Additionally, managed an external developer team using Scrum methodology for efficient project execution.

Responsibilities
Technical Project Management

- Led the overall technical project management, including task prioritization, resource allocation, and timeline management.

- Managed an external developer team using Scrum methodology, ensuring effective collaboration and timely delivery of project milestones.

- Facilitated regular Scrum meetings, sprint planning sessions, and retrospective meetings to optimize team performance and project outcomes.

Fullstack Development

- Directed the development of backend services using PHP, enabling secure and scalable processing of marketing campaigns, call center interactions, and patient questionnaire administration.

- Implemented user-friendly interfaces for marketing managers, call center agents, and patients to interact with the system efficiently.

- Collaborated with frontend developers to integrate frontend components with backend services, ensuring seamless user experience across the application.

DevOps

- Implemented DevOps practices to streamline development, testing, and deployment processes.

- Set up continuous integration and continuous deployment (CI/CD) pipelines to automate build, test, and deployment tasks, improving development workflows and release cycles.

- Managed infrastructure and server configurations, ensuring optimal performance, scalability, and security of the system.

Technologies

PHP, PostgreSQL, Apache

2006.03-2007.08| NGSi | Freelance | BY,USA

Role

Senior Fullstack Developer, Architect, Technical Project Manager.

Overview

Led the technical analysis, architecture, and development of a comprehensive system for managing Lotto operations. The system facilitated ticket sales, draw management, prize distribution, and reporting functionalities. Utilized Java, Hibernate, Spring, Tomcat, and PostgreSQL technologies to ensure reliability, scalability, and security.

Responsibilities

Technical Analysis & Architecture

- Conducted thorough technical analysis to define requirements and design a scalable and efficient system for Lotto operations.

- Collaborated with stakeholders to establish system architecture, ensuring alignment with business objectives and technical feasibility.

Fullstack Development

- Directed the development of backend services using Java and Spring, enabling secure and scalable processing of ticket sales and draw management.

- Implemented user-friendly interfaces for managing Lotto operations, enhancing usability for administrators and users.

Database Management with PostgreSQL

- Designed and optimized the database schema in PostgreSQL to efficiently store and retrieve Lotto data, including ticket sales, draw results, and prize information.

- Implemented data integrity measures to ensure accurate reporting and compliance with regulatory standards.

Expert Technical Consultation, Technical Project Management

- Provided technical expertise and guidance to the team, facilitating the implementation of best practices and optimal use of technologies.

- Offered solutions to technical challenges and advised on performance optimization strategies.

- Managed the technical aspects of the project, overseeing task prioritization, resource allocation, and timeline management.

- Coordinated with cross-functional teams to ensure seamless integration of system components and adherence to project milestones.

Technologies

Java, Spring, Groovy, PostgreSQL, REST, Tomcat, Apache

2005.03-2006.02| Innovalent Systems | Freelance | BY,USA
Role

Senior Fullstack Developer, Architect, Technical Project Manager.

Overview

Led the technical analysis, architecture, and development of a comprehensive CRM system tailored for medical practices. The system encompassed management of patient data, appointments, prescriptions, medical analyses, and examinations. Leveraged Java, JSP, Groovy, Hibernate, Spring, Tomcat, and PostgreSQL technologies to ensure robustness, scalability, and security.

Responsibilities
Technical Analysis & Architecture

- Conducted in-depth technical analysis to understand requirements and design a scalable and efficient CRM system for medical practices.

- Collaborated with stakeholders to define system architecture, ensuring alignment with business objectives and technical feasibility.

Fullstack Development

- Led the development of backend services using Java and Spring, implementing secure and scalable transaction processing for patient management and medical records.

- Developed responsive and intuitive user interfaces using JSP for medical staff to manage patient data and appointments efficiently.

Database Management with PostgreSQL
- Designed and optimized the database schema in PostgreSQL to efficiently store and retrieve patient records, prescriptions, medical analyses, and examination results.

- Ensured data integrity and security measures were in place to comply with healthcare regulations.

Expert Technical Consultation, Technical Project Management
- Provided expertise in IT and technical aspects, guiding the team in implementing best practices and leveraging technologies effectively.

- Offered technical insights and solutions to overcome challenges and optimize system performance.

- Managed the technical aspects of the project, including task prioritization, resource allocation, and timeline management.

- Coordinated with cross-functional teams to ensure seamless integration of components and alignment with project milestones.

Server Deployment with Tomcat/Apache
- Configured and deployed the application on Tomcat servers, ensuring a stable and scalable runtime environment.

Technologies
Java, Spring, Groovy, PostgreSQL, REST, Tomcat, Apache

2000.07-2005.02| Sam-Solutions | BY,DE
Role

.NET Developer, Java Developer, Senior Java Developer

Overview
As a Senior Java and .NET Developer, I have been instrumental in the development and enhancement of CRM (Customer Relationship Management) systems and German Court Document Processing System, utilizing my expertise in both Java and .NET frameworks. With proficiency in database management systems such as Informix and Oracle, I have contributed to architecting scalable solutions tailored to organizational needs.

Responsibilities
Fullstack Development

- Collaborated with cross-functional teams to gather requirements and architect scalable CRM solutions aligned with organizational objectives.

- Developed robust .NET-based applications to facilitate efficient management of customer interactions, sales, and marketing activities.

- Integrated CRM systems seamlessly with diverse modules and third-party applications to streamline business workflows and enhance productivity.

- Developed standalone applications using both Java and .NET frameworks to meet specific business needs and requirements.

- Fine-tuned code to optimize system responsiveness, minimize latency, and enhance user experience.

Database Management
- Designed and implemented database solutions utilizing Informix and Oracle to ensure data integrity, security, and optimal performance.

- Developed database schemas, stored procedures, and queries to support application functionality and data manipulation.

- Ensured efficient indexing and data organization for improved query performance and scalability.

Deployment
- Managed the deployment process of CRM systems, ensuring smooth and efficient deployment of application updates and enhancements.

- Worked closely with DevOps teams to automate deployment processes and ensure continuous integration and delivery (CI/CD).

- Monitored deployment pipelines and resolved any issues to minimize downtime and maintain system availability.

Testing
- Developed and executed comprehensive test plans and test cases to ensure the quality and reliability of CRM systems.

- Conducted unit testing, integration testing, and system testing to identify and address defects early in the development lifecycle.

- Collaborated with QA teams to perform regression testing and verify software changes against acceptance criteria.

Technologies
.NET, Java, Oracle, Informix, Tomcat, Apache

German citizenship, permission to work in the EU

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