ROSTISLAV VATOLIN

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Education: Belarusian State University - Bachelor degree in Computer Science

Tech stack: Java, Spring Framework, SQL, Docker, TestContainers, JUnit, Mockito

Expertise in: REST and SOAP APIs, microservice and monolith architectures

Cloud providers: Microsoft Azure, Amazon Web Services, Google Cloud Platform

Integrated with: Mongo, Oracle DB, Azure Cosmos DB (Graph DB), Amazon Dynamo DB, Redis Cache, Gemfire Cache, Azure Service Bus, Apache Kafka

CI/CD: Github Actions, Azure DevOps, Jenkins, Bamboo, Maven, Gradle, Git, Bash, Python

Methodologies and practices: Scrum, Kanban, TDD, DDD

Project management tools: Jira, Rally, Azure Boards

Interests: Back-End, Software architecture, High-load systems, clean code

PROFILE

Staff-level Software Engineer and Technical Lead with 10+ years of experience designing, scaling, and owning cloud-native distributed systems. Proven record of driving company-wide architectural initiatives, defining engineering standards, and delivering high-impact, regulated production systems. Deep expertise in Java, microservices, and multi-cloud platforms (AWS, GCP, Azure).

EXPERIENCE

Sr Software Engineer (Staff level scope), Insulet Corporation, Remote, USA - 2022-Present

Technical Lead at a medical technology company, working in a cloud-native environment on AWS with a focus on Java-based microservices. Core technologies include **Java 21, Vert.x**, **Spring Boot** and **Apache Camel**. Addressed complex challenges related to scaling data ingestion services, ensuring consistency in high-load environments, and enhancing or building new integration points with third-party services via **REST**. In my role as Tech Lead, I am responsible for fostering a delivery-oriented culture while leading a team of 4 developers and 4 QA engineers. I guide the team through the entire **SDLC**—spanning design validation, security assessments, code reviews, testing, scaling, and production deployments—all supported by rigorous documentation to ensure compliance and traceability. I influence architectural decisions beyond my immediate team through design reviews, ADRs, and cross-team technical alignment.

Key accomplishments:

1) Drove a company-wide migration from **AWS CloudFormation** to **Terraform**, defining IaC standards and migration strategy for **40+** production services, Lambdas, and shared infrastructure components. Partnered with multiple engineering teams to ensure consistent adoption through reusable modules and best practices, establishing a scalable and maintainable foundation for future platform growth. Led the adoption of **Blue-Green deployment strategy**, significantly improving release safety and reducing any risk of issues during deployments to production.

2) **Owned** the architecture and **led** the implementation of a strategic integration with **Abbott**, enabling support for the Freestyle Libre 2 Plus CGM sensor for Insulet's flagship Omnipod product. This integration enables **secure, consent-based therapy data sharing** between two large medical device companies and directly impacts **thousands of customers** across the **US and Europe**. Ensured high reliability, data integrity, and zero data loss under peak load and performance testing in a regulated environment.

Sr Software Engineer, EPAM SYSTEMS, Client in Energy domain, Houston, USA - 2020-2022

Key developer role. Maintained and enhanced client's heavy backend system of **microservices**, which manages data in Oil and Gas industry. Migrated GCP based services to cloud agnostic solution with primary focus on deployment to Microsoft Azure infrastructure. Was responsible for many **PoC** (proof of concept) work, ADRs (architecture decision records). Configured HPA (horizontal pod autoscaling) for services running on **Kubernetes** in Microsoft Azure Cloud. Refactored services to comply community standards, while contributing them to **open source**. Worked on services under Java and Spring tech stack, fully covered with tests with help of JUnit and Mockito.

Sr Software Engineer, EPAM SYSTEMS, Client in Telecommunication domain, Belarus - 2019-2020

Developer role. E-commerce project using **SAP Hybris** 1808 with Telco & Media Accelerator 1810. Supported and developed new features using Java 8 and Spring framework in **monolithic architecture**. With every pull request enhanced overall test coverage by 2-5% with help of **JUnit** and **Mockito**. Thanks to CI/CD (Apache Ant and Jenkins) occasionally spotted and debugged issues before they got into production.

Sr Software Engineer, EPAM SYSTEMS, Client in Building materials domain, Belarus - 2018-2019

Developer role. Developed new functionality using Java 8. Maintained and supported deployment to **AWS Lambda**. Implemented integration with **AWS DynamoDB** using latest AWS java libraries. Utilized configured CI/CD (Maven and Jenkins) to spot issues in non production environment. Set up unit tests with JUnit and Mockito to cover all the business logic.

Software Engineer, EPAM SYSTEMS, Client in Travel & Hospitality domain, Belarus - 2015-2018

Developer role. Created new functionality (REST APIs), enhanced existing in project's middleware area using Java 8, Spring framework, **Apache Camel**. Ensured enterprise systems integration with **Active MQ** and **Apache Kafka**. Carried deployments of OSGi bundles to on on-premise Redhat JBoss Fuse server. Worked on integration with **Oracle 11** database.