ERIK ZHAMAKOCHYAN

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SUMMARY

Results-driven Senior Java Engineer with 7+ years of experience designing and developing scalable, high-performance applications across blockchain, finance, healthcare, and tech industries. Proficient in Java (8-21), Spring Boot, microservices, AWS, Docker, Kubernetes, and CI/CD, with expertise in building distributed systems, API-driven architectures, and cloud-native applications. Adept at optimizing system performance, implementing best coding practices, and driving DevOps automation to enhance software delivery pipelines. Passionate about delivering robust, secure, and scalable solutions, while mentoring teams and fostering innovation in Agile environments.

SKILLS

- Microservices Architecture
- API Integration
- Agile Methodologies
- Unit Testing
- Continuous integration
- Problem-Solving and Critical Thinking
- Leadership and mentorship
- Effective communication
- Time Management and Prioritization
- Adaptability and Continuous Learning
- Cloud Platforms
- Database Management
- Hibernate & JPA
- Message brokers
- Containerization & Orchestration
- CI/CD and DevOps
- Testing and TDD
- Version control
- Security and Authentication
- Concurrency and Performance Optimization
- Attention to Detail
- Collaboration and teamwork
- Decision-Making and Strategic Thinking
- Java (Core and Advanced)
- Spring Framework
- Design Patterns and Best Practices
- Big Data and Streaming
- GraphQL and WebSockets
- Linux and Shell Scripting
- Agile and Scrum methodologies

EXPERIENCE

VENLY
Belgium

Senior Java Software Engineer   07/2021 to Current

- Designed and implemented a scalable microservices-based blockchain REST API using Spring Boot and Spring Cloud, enabling seamless integration with MATIC and Polygon networks for high-performance transactions.
- Developed and integrated secure RESTful APIs with third-party services such as Chargebee and Stripe, ensuring efficient payment processing and enhancing user experience.
- Conducted comprehensive unit and integration testing using JUnit and Mockito, ensuring code reliability, functionality, and maintainability across Java-based web applications.
- Led Agile development processes, actively participating in Jira-based sprint planning, story estimation, and code reviews, ensuring adherence to industry best practices and coding standards.
- Implemented advanced security measures, including data encryption, authentication protocols, and API security enhancements, strengthening system resilience, and protecting sensitive user data.

KKR
USA

Senior Java Developer   07/2021 to 01/2023

- Led the migration of legacy project dependencies by upgrading Spring Boot, Amazon S3, and Apache Kafka, ensuring system compatibility, enhanced performance, and improved reliability.
- Optimized data processing efficiency by refactoring an existing Excel parser using multithreading and algorithm enhancements, significantly reducing processing time for large datasets.
- Enhanced CI/CD pipeline stability by troubleshooting and resolving Jenkins build failures, while implementing Docker configurations to streamline deployment across multiple environments.
- Developed and deployed microservices using Java and Spring Boot, leveraging Docker for containerization, and ensuring seamless cloud integration for scalable and efficient system performance.
- Implemented Agile best practices by managing user stories in Jira, conducting code reviews, optimizing design patterns, and providing technical solutions to improve maintainability and scalability.

LSEG
Great Britain

Full Stack Java Developer   01/2020 to 06/2021

- Developed and optimized event-driven microservices architecture using Java, AWS Lambda, SNS, and SQS, ensuring seamless communication, and high-throughput processing of real-time data.
- Integrated Graph QL APIs with Angular-based front-end applications, enabling precise data querying, reducing backend load, and enhancing application performance.
- Automated AWS infrastructure provisioning using Terraform, eliminating manual setup, and improving deployment efficiency across cloud environments.
- Implemented CI/CD pipelines with Jenkins, streamlining the release process and ensuring continuous integration and deployment of new features with minimal downtime.

- Enhanced search performance by integrating Elastic Search with DynamoDB, optimizing large-scale data retrieval for real-time processing and analytics.

FUJITSU

Japan

Middle Java Developer   05/2019 to 01/2020
- Developed and optimized a Spring Boot REST API to parse XBRL reports, enabling seamless data transformation into Excel, PDF, and XML formats for improved system integration.
- Integrated third-party libraries such as JAXB, Apache POI, and Apache PDF Box to enhance document processing accuracy and automate financial reporting workflows.
- Optimized PostgreSQL databases by implementing indexing strategies and refactoring table structures, significantly reducing query execution times for complex financial reports.
- Led system integration efforts, incorporating Fujitsu's proprietary libraries and external APIs to enhance interoperability between financial reporting tools and enterprise systems.
- Managed Jira tickets, providing detailed technical documentation to improve collaboration between development teams, stakeholders, and project managers.

FUJITSU

Japan

Junior Java Developer   01/2018 to 05/2019
- Developed and maintained a Java-based console application to parse and process XBRL banking reports, improving data accuracy and processing efficiency.
- Implemented ANTLR-based expression parsing using a three-structure approach, enhancing the speed and accuracy of mathematical expression evaluation.
- Integrated the Jacob library to manipulate and process report data, ensuring seamless interaction between Java and COM-based applications.
- Applied Factory, Visitor, and Adapter design patterns to improve code maintainability, flexibility, and readability in complex processing workflows.
- Wrote clean, modular, and reusable code by adhering to SOLID principles and best practices, improving scalability, and long-term maintainability.

EDUCATION

ASSOCIATE OF SCIENCE: IT
Gyumri Technology College

LANGUAGE

Armenian (C1), English (B2), Russian (B1+)