Fanus Abraha
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FULL STACK SOFTWARE ENGINEER

Expert Java developer with a track record of delivering successful projects. Skilled in the development of Java-based applications, including database programming and testing. Effective at collaborating with clients to gather and analyze requirements and deliver finalized projects. Deep familiarity with the software development life cycle using Agile/Scrum, and strong business domain experience in commercial and financial fields. Throughout my career, I have implemented numerous projects, mostly coding for back-end with web services, design patterns, advanced frameworks..

Software Development Life Cycle · System Analysis · Feasibility Studies · Testing · Coding
Java Programming · Database Administration · Microservices · Website Design

Languages: Java
Web: JavaScript, Bootstrap, HTML5, CSS3, React
Web Services: REST, Microservices, JSON
Web/App Servers: Apache Tomcat
Frameworks: Spring (Boot, Security, MVC, Data, AOP, IOC-Dependency Injection, Cloud),J2EE, Hibernate, Express, NodeJS, React, Mockito
Databases: MySQL, MongoDB, PostgreSQL, Oracle
Design Patterns: Singleton, Façade, Factory, Prototype, Session
SDLC: Agile-Scrum, TDD, Waterfall
Tools: IntelliJ, VS Code, Maven, Git, Postman, StarUML, ActiveMQ, Junit, Docker, Kafka, Kubernetes, Jira
Platforms: Windows, MacOS, Linux, Unix
Testing: JUnit, Mockito, Spring Test, Postman, SoapUI

EDUCATION

Masters of Computer science *(in progress)*
Maharishi University – Fairfield, Iowa

Industrial Electronics and Automation Engineering (January 2022)
BBZ-Mölln – Hamburg, Germany

Bachelor of Science in Computer Engineering (June 2014)
Eritrea Institute of Technology – Mai-Nefhi, Eritrea

PROFESSIONAL EXPERIENCE

Software Engineer for AI Training Data
Scale AI, Remote
Since January 2024

- Evaluate the quality of AI-generated code across multiple languages and frameworks, ensuring the highest standards for use in training advanced AI models.
- Solve complex coding problems and write functional, efficient code to assist in the AI model's learning process.

- Write comprehensive test cases to ensure code functionality and effectiveness, contributing to the model's ability to generate better code.

- Collaborate closely with an expert annotation team to provide detailed, human-readable summaries of code evaluations to facilitate model training.
- Engage with cutting-edge generative AI models, aiding them in learning to code, and improving their output for tasks such as application development and chatbot response optimization.

Java Software Engineer

Client: Alster Lagune
June 2018 to June 2023

- Develop and integrate robust POS systems for orders, payments, and inventory management.
- Create a user-friendly website for online ordering, including menu displays, customization options, and secure payment gateways..
- Develop an online reservation system that allows customers to book tables, receive confirmation messages, and view availability in real-time.
- Developed and maintained database schemas and performed data migration using Spring Data JPA and Flyway.
- Contributed to the development of enterprise-level applications using Spring Boot and Spring MVC, improving application performance and maintainability.
- Maintain a database of customer preferences and histories to provide personalized service.
- Customer Relationship Management (CRM): Develop and manage customer loyalty programs, including point tracking, rewards, and special offers.
- Social Media Integration: Develop features to integrate social media promotions and monitor engagement.
- Analytics and Reporting: Create dashboards for real-time sales reporting and analysis

PROFESSIONAL PROJECT

Banking System:

- Developed a high-performing Loan Service for a banking system using microservices architecture, leading to significant improvements in loan application processing and management.

- Collaborated with the team to analyze business requirements and designed core functionalities, including credit assessment, loan approvals, disbursements, and repayments.

- Implemented seamless communication with other services through synchronous API calls and event-driven Kafka, resulting in a 20% improvement in loan processing efficiency.

- Practiced test-driven development (TDD) and collaborated with QA to ensure reliability, successfully reducing production error rates by 15%.

- Played an integral role in agile development practices, attending daily stand-ups and sprint sessions, contributing to a successful project completion, and gaining valuable expertise in microservices development.

CERTIFICATIONS

- Fullstack developer.
- Generative AI for Software Developers Specialization (In progress).