ALEMAYEHU MEKONEN

S O F T W A R E   D E V E L O P E R

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SUMMARY

Mastered Spring Boot and Node.js with extensive experience in designing microservices and event-driven architectures using Kafka and RabbitMQ. Proficient in building scalable APIs with REST, GraphQL, and Socket.IO, and developing responsive frontends with React, Next.js, and Figma. Strong expertise in SQL/NoSQL databases (Postgres, MongoDB, Redis) and certified in backend development. Skilled in CI/CD pipelines, Docker, and Kubernetes for delivering enterprise-grade solutions.

EXPERIANCE

Sep 2024 - Nov 2024 Full Time
Addis Software P.L.C | Addis Ababa, Ethiopia
Full Stack Developer

- Full-Stack Development: Crafted the DoDai admin panel using React (with Emotion for sleek styling) and Spring Boot, ensuring seamless user experiences and high performance.
- State Management: Harnessed the power of Redux for state management and streamlined side effects with Redux Saga to keep the app responsive.
- API & Integration: Developed robust RESTful APIs and integrated RabbitMQ for smooth, asynchronous communication between microservices.
- Authentication & Monitoring: Secured the platform with JWT for user roles, while keeping everything in check with Grafana and Prometheus for system monitoring.

May 2024 - July 2024 Full Time
Purpose Black Ethiopia | Addis Ababa, Ethiopia
Full Stack Developer

- GraphQL & NestJS Development: Developed applications using GraphQL and NestJS, ensuring scalable and efficient backend services.
- Taxi App Development: Built a taxi application similar to Uber, focusing on seamless user experiences and real-time functionalities.
- Real Estate Magazine: Created a magazine website for a real estate company using Next.js, delivering fast, SEO-friendly pages with dynamic content.
- Full-Stack Expertise: Leveraged modern technologies to create high-performance applications, ensuring smooth integrations and high scalability.

Feb 2024 - May 2024 INTERNSHIP
Safaricom Ethiopia | Addis Ababa, Ethiopia
Backend Developer

- WFP Aid Distribution System: Developed the WFP Aid Distribution System using Spring Boot, focusing on building scalable and reliable microservices.
- Event-Driven Architecture: Designed an event-driven architecture using Kafka to handle real-time data processing and communication between microservices.
- Authentication & Authorization: Built a secure authentication and authorization mechanism using Keycloak, ensuring role-based access control for the system.
- System Monitoring: Monitored system performance and health using Prometheus and Grafana, proactively identifying issues and optimizing system reliability.

Freelance & Personal Projects
Software Engineer

- Built an authentication and authorization service using Spring Boot and JWT.
- Developed a school management system with features for attendance, grading, and records.
- Created an e-commerce admin dashboard with React and Node.js for real-time management.
- Designed a responsive portfolio website using Next.js with SEO and performance optimizations.

SKILLS

Frontend:
- JavaScript/TypeScript
- React, Next, or Vue.js
- CSS-in-JS, Tailwind CSS, Bootstrap
- State Management (Redux, Redux saga, Zustand)

Backend:
- Spring Boot, Node.js, Nest
- REST APIs, GraphQL
- SQL (Postgres, MySQL), NoSQL (MongoDB, Redis)
- JWT, OAuth2, Keycloak
- RabbitMQ, Kafka

DevOps:
- Git
- CI/CD (Jenkins, GitHub Actions)
- Docker, Kubernetes
- Prometheus, Grafana

- Problem-Solving
- Agile/Scrum
- AWS, GCP, Azure
- Testing (Jest, Mocha, JUnit)

EDUCATION

2018 - 2022 UNITY UNIVERSITY
Bachelor Of Computer Science

Programming Fundamentals Software Development Algorithms and Data Structures
System Design
Research and Critical Thinking

2023 - 2024 GEBEYA TRAINING
Certified Backend Engineer

Backend Development (Spring Boot)
API Development (REST)
Version Control with Git
CI/CD Pipelines
Agile Methodology