YONAS HALEFOM

Senior Software Engineer with 7+ years of experience delivering scalable, high-performance applications, driving innovations in modern tech stacks, and leading teams to measurable successes.

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EXPERIENCE

■ Horizon Inc. (Remote)
Senior Software Engineer | 2019 - 2023, Addis Ababa, Ethiopia

- **Developed Large-Scale Financial Application:** Designed and built a financial application using Node.js, MongoDB, and AWS Lambda, processing 1M+ daily transactions with 99.99% uptime. Integrated payment gateways including Stripe and PayPal, generating significant revenue.
- **Led Monolithic to Microservices Migration:** Directed the migration of a monolithic Node.js application to a Docker and Kubernetes based microservices architecture. The migration involved breaking down over 50 services, resulting in better performance, improved scalability, and faster deployment cycles. Utilized RabbitMQ for messaging to ensure seamless communication between services.
- **Optimized Legacy Application Performance:** Enhanced application performance by over 80% using distributed computation, background workers, database query optimization, and caching mechanisms like Redis. Reduced processing time for heavy operations from 20 minutes to under 30 seconds.
- **Implemented CI/CD Pipeline:** Automated testing, linting, and deployment using GitHub Actions and Docker, reducing release time by 35% while maintaining high code quality.

■ United Nations Development Programme (Contract)
Senior Software Engineer | Jul 2021 - Present

- **E-Commerce Platform for SMEs:** Led a team of 10 engineers and designers to create a robust e-commerce platform for SMEs, driving a 14% sales increase within three months. Leveraged AWS Lambda, S3, and Elasticsearch for search capabilities and scalability.
- **Management Information System:** Developed an enterprise grade MIS for SMEs, improving data collection and reporting efficiency by 72%. Ensured seamless integration with existing tools through GraphQL APIs.
- **Cross-Functional Team Leadership:** Effectively communicated technical requirements with non-technical stakeholders, fostering a collaborative environment that ensured project deadlines were consistently met.

■ Freelance & Personal Projects
2018 - Present

- **Restaurant Management System:** Designed a comprehensive system optimizing operations for 20+ restaurants, using Redis for caching and BullMQ for job processing. Integrated real-time order tracking and multi-payment gateway support, resulting in a 30% operational efficiency improvement.
- **Interactive 3D Navigation System:** Created a navigation tool using a 3D interactive map for seamless user experiences.
- **Secure Payment Gateway:** Engineered a custom payment gateway for integration with major local banks, ensuring secure and efficient transactions.

SKILLS

- **Backend Development:** Nest.js • Node.js • Express • GraphQL • TypeScript
- **Frontend Development:** Next.js • React.js • Redux • Material UI • Tailwind • Apollo Graph QL
- **Database Management:** MongoDB • PostgreSQL • DB Scaling and Replication
- **Cloud Technologies:** S3 • EC2 • Lambda
- **Testing:** Unit, E2E, Integration, Automated Testing (Selenium)
- **Miscellaneous:** Microservices • Redis • RabbitMQ • Docker • CI/CD • Clean Code • OOP • REST APIs • tRPC

EDUCATION

2015 - 2018
WOLKITE UNIVERSITY
- Bachelor of Software Engineering. GPA: 3.58 / 4.0

CERTIFICATE

- Microsoft Certified JavaScript Developer

ACHIEVEMENTS

- Increased team efficiency by 25% through process optimizations and team collaboration strategies.
- Successfully mentored junior developers, contributing to their professional growth and the team's technical depth.