

Ezra Yeneneh

Senior Software Engineer

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Senior Generalist Software Engineer with over 10 years of experience in full-stack development, backend architecture, cloud-native deployment, and AI-enabled features, with delivery experience across Amazon and Microsoft environments. Owned end-to-end product development, including leading the architecture for a revenue-generating learning platform that generated over \$100K in revenue, and scaling marketplace matching capacity by 40% while maintaining 99.9% availability. Improved test coverage to 90%+ through design reviews, mentoring, and technical ownership.

SELECTED IMPACT

10+ years broad engineering | 55% lower p95 latency | 40% higher throughput | 99.9% availability | 90%+ test coverage | 147K+ payments | 122K+ users and 320K+ listings | 30% lower MTTR

CORE TECHNICAL SKILLS

Languages & Frontend: Java, C#, Python, TypeScript, JavaScript, React, Next.js, Angular

Backend & APIs: .NET Core, ASP.NET, Spring Boot, FastAPI, Node.js, NestJS, REST APIs, Microservices

Cloud & DevOps: AWS, Azure, GCP, Docker, Kubernetes, CI/CD, Terraform, Jenkins

AI & Data: RAG Workflows, LLM Integrations, Embeddings, NLP Pipelines, PostgreSQL, SQL Server, MongoDB, Redis, Kafka, Elasticsearch

Architecture & Practices: Distributed Systems, API Design, Performance Optimization, TDD, Code Review, Observability, Incident Response

PROFESSIONAL EXPERIENCE

Senior Software Engineer / Marketplace Systems Owner, AHF 10/2022 – Present | California, United States

- Expanded from backend and search platform delivery into end-to-end ownership of marketplace architecture, buyer-home matching reliability, AI-assisted trust signals, release quality, and production operations for 122K+ users and 320K+ listings.
- Increased matching throughput by 40% while sustaining 99.9% availability using event-driven listing updates, asynchronous workers, monitoring, alerting, regression suites, and disciplined release practices, demonstrating system design and ownership.
- Led design reviews, code review, TDD, RCA, CI gates, and service-boundary decisions, improving test coverage from 60% to 90%+ while mentoring engineers on production ownership.
- Lowered search p95 latency by 55% through PostgreSQL plan analysis, composite indexes, Redis caching, API response shaping, and front end query cleanup for high-traffic product experiences.

Senior Software Engineer / Tech Lead, Aladia 09/2018 – 09/2022 | Brescia, Lombardy, Italy

- Progressed from full-stack platform delivery into technical leadership, owning architecture, payment workflows, dashboards, release planning, and mentoring for a learning-management platform processing 147K+ transactions.
- Engineered Stripe payment workflows with idempotent APIs and retry-safe webhooks, ensuring financial correctness and operational visibility for 147K+ transactions.
- Drove production system optimization by reducing Mean Time to Recovery (MTTR) by 30% through standardization of monitoring, logging, alerting, and incident response practices.
- Defined API contracts and acceptance criteria with product, QA, and design teams, enabling 24 predictable release cycles across platform features.
- Mentored 14+ engineers on code review, testing, and technical guidance, contributing to team growth and code quality.

Software Engineer, Mereb Technologies 05/2015 – 08/2018 | Addis Ababa, Ethiopia

- Improved and deployed a talent-matching SaaS platform using Python, Node.js, and React, serving 5K+ professionals with REST APIs and RBAC workflows.
- Enhanced platform relevance and user satisfaction by implementing product feedback loops and optimizing matching algorithms, increasing satisfaction by 25%.
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Full Stack Developer, EthioTelecom 07/2013 – 04/2015 | Addis Ababa, Ethiopia

- Optimized Telebirr payment transaction flows to improve transfer speed by 0.4 seconds, outperforming default national payment applications.
- Developed 35+ features for a business web applications and internal tools using Java, C#, ASP.NET, SQL Server, and JavaScript.
- Streamlined deployment automation and production support workflows, reducing release cycles by 21.5% while improving delivery reliability across business applications.
- Owned end-to-end delivery for the main EthioTelecom payment system, from requirements through production support, resolving 63+ critical issues.

SELECTED TECHNICAL WORK

Amharic NLP Sentiment: Engineered an applied ML pipeline for low-resource Amharic sentiment classification, covering preprocessing, tokenization, model training, evaluation, and practical product experimentation, with a focus on MLOps.

EDUCATION

Bachelor of Software Engineering, Addis Ababa University

Graduate with Distinction