Debisa Abebe Tulu

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Professional Summary

Senior Full-Stack Software Engineer with 5+ years of experience architecting scalable web and mobile applications, specializing in AI-augmented development and intelligent automations. Expert in integrating TensorFlow and PyTorch for recommendation systems, chatbots, and predictive analytics, driving 25-40% improvements in user engagement and operational efficiency across e-commerce, healthcare, and real estate platforms. Proven leader in cloud-native architectures (AWS, Kubernetes) and microservices, with a track record of mentoring teams and contributing to open-source AI initiatives.

Languages and Technologies

Frontend: React, Next.js, Svelte/SvelteKit, Vue.js, Angular, React Native, Flutter, TypeScript, JavaScript, TailwindCSS, Figma (UI/UX)
Backend: Node.js, NestJS, Python (FastAPI, Django, Flask), GraphQL, RESTful APIs, PostgreSQL, MongoDB, Redis
AI/ML & Automations: TensorFlow, PyTorch, Scikit-Learn; AI-driven recommendations, chatbots, computer vision, predictive modeling, automations via WebSockets/Celery
DevOps/Cloud: AWS (EC2, Lambda, API Gateway, DynamoDB, ECS), Docker, Kubernetes, Terraform/CDK (IaC), Firebase, Stripe, JWT/OAuth, CI/CD (GitHub Actions)
Tools: Git, WebGL, Firebase FCM, Google Maps API

Work Experience

Full-Stack Developer (Remote) Maleda Tour and Travel Website, Addis Ababa, Ethiopia | Feb 2024 – Present
Engineered cross-platform Flutter app (2024) with AI chatbots using TensorFlow 2.x (since 2019), Google Maps API, boosting engagement 35% via Firebase FCM notifications.

MERN/NestJS Developer Light Technology, Addis Ababa, Ethiopia | Apr 2023 – Sep 2023
Built real estate platform with React/Next.js (2023), NestJS backend, MongoDB/Redis, integrating TensorFlow (2019+) for recommendations; optimized Celery async tasks.

Full-Stack Developer (Remote) SalzorParts | Aug 2022 – Mar 2023
Developed e-commerce with Next.js/NestJS (2022), Stripe, Docker/Kubernetes microservices; used TypeScript CDK/Terraform (IaC since 2017/2010) for cloud deployments.

Backend Developer Pazion Ethiopia, Addis Ababa | Nov 2021 – Jul 2022
Built REST APIs with PostgreSQL/Redis (2021), OAuth; automated AWS provisioning via Terraform (2010+), ensuring state consistency.

Full-Stack Developer Medi Lights, Addis Ababa, Ethiopia | Sep 2019 – May 2020
Architected POS/e-commerce using Node.js/React/MongoDB (2019), real-time dashboards reducing discrepancies 30%.

Backend Developer OHUB_ET (Remote) | Jun 2020 – Dec 2020
Deployed Node.js platform; React admin with Firebase/TailwindCSS (2020), JWT/RBAC for 10k+ users.

Frontend Developer VirtVictory Games (Remote) | Jan 2021 – Oct 2021
Created WebGL/Three.js games (2021) with GSAP animations, spatial audio, provably fair spin wheel algorithm

Education and Certifications

       B.S., Software Engineering, Addis Ababa University
       ALX Africa: Software Engineering with Backend Specialization
       Devtown: Data Science, AI, and ML courses
       AWS Community Builder (Python & Serverless)
       Microsoft Learn Student Ambassador (Azure)
       Google Developer Group Member (Full-Stack)