

Zekaria Mohammed

Full-Stack Software Engineer | AI • Cloud • MERN • FastAPI

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SUMMARY

Results-driven Full-Stack Software Engineer with 4+ years of experience building scalable web, AI, cloud and mobile applications. Experienced in React, Next.js, React Native, FastAPI, Node.js, AWS and Docker with strong emphasis on architecture, authentication and production systems.

EXPERIENCE

Lead Developer : ChatbotHub.io AI Platform

- Architected a multi-industry AI chatbot platform enabling users to build and deploy LLM-powered bots across WhatsApp, Facebook, and Web Widgets.
- Engineered a visual drag-and-drop flow builder to design complex conversation logic and integrated dynamic RAG for knowledge base support.
- Implemented a robust multi-tenant subscription system using FastAPI and Stripe/PayPal, supporting granular usage limits and tier-based feature access.
- Designed a centralized Admin Panel for system-wide configuration, user limit overrides, and real-time monitoring of multi-channel webhook handlers.
- Tech Stack: React, FastAPI, MongoDB, Tailwind CSS, OpenAI/Gemini API, Stripe.

Platform Architect : Instant Launch Pro

- Designed and deployed a scalable multi-tenant coupon marketplace allowing business owners to launch individual e-commerce storefronts under custom subdomains.
- Automated high-availability infrastructure setup including Wildcard SSL certificate generation, Nginx reverse proxy configuration, and automated AWS EC2 deployments.
- Integrated a comprehensive two-tier marketplace system with Stripe for payment processing and SendGrid/Twilio for automated digital coupon delivery.
- Engineered a master admin ecosystem for overseeing global platform health, buyer account isolation, and multi-tenant data integrity.
- Tech Stack: React, FastAPI, MongoDB, Tailwind CSS, Nginx, Docker, AWS.
- AI Engineer : Botero AI Travel Assistant

Full-Stack Developer : Honeybee IoT, Real Estate Platform,

- Developed a cross-platform IoT control application using Expo and React Native, featuring integrated voice search and a dedicated Electron desktop client.
- Integrated real-time weather and news intelligence feeds coupled with location-aware search capabilities to enhance user situational awareness.
- Engineered a robust service layer for Home Assistant integration, utilizing long-lived access tokens and IPC handlers for secure local network communication.
- Implemented a comprehensive optimization strategy including Typescript for type safety and automated build scripts for native mobile deployment.
- Tech Stack: React Native (Expo), Electron, Typescript, Home Assistant API, Docker.

SKILLS

• JavaScript • TypeScript • Python • React • Next.js • React Native • Tailwind • FastAPI • Express • MongoDB • MySQL • Docker • AWS • Firebase • Git

INTERESTS

Software Development

Passionate about creating innovative software that improve daily lives and streamline operations.

Career Development

Stay up to date with the latest trends and technologies.

EDUCATION

Certificate in Software Engineering
ALX Africa

BSC in Civil Engineering
Wollo University

LANGUAGES

English  Advanced C2

Amharic  Native

PROJECTS

AI powered Senda Hotels Bot Ecosystem

A niche-specific chat-bot ecosystem for the hospitality industry, supporting multi-channel deployments across web interfaces and social media platforms.

Thachari Learning Management System

Developed a comprehensive management platform featuring isolated frontend, backend, and mobile modules for a streamlined enterprise workflow.

AMC Clinic Management System

Architected and built a comprehensive clinic management web application serving Admins, Doctors, and Receptionists to streamline medical workflows.

TRAINING

Backend Development and AIPs : FreeCodeCamp

* Designed and developed micro-services with scalability and maintainability in mind.

Backend Developer (Mid Level) : RemoteTech.work

* Orchestrated a production ready service with python FastApi

Generative AI : Google cloud (Coursera)

* AI usage ethics and responsible developer training. Code and design generation using the latest AI models.

CORE STRENGTHS

• AI Systems • Cloud Deployment
• Multi-tenant SaaS • DevOps
• Architecture • Agil