

YEABSIRA HAILE

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PROFESSIONAL SUMMARY

Full-Stack and AI Engineer with 3+ years of experience architecting scalable web applications, cloud-native systems, and AI-powered workflows. Fluent across the entire stack — from performant React/Next.js front-ends and Node.js APIs to PostgreSQL data modelling and AWS cloud infrastructure. Proven ability to integrate Large Language Models and NLP pipelines into production systems, turning AI capabilities into measurable business outcomes. Strong track record of ownership: leading teams, shipping MVPs under pressure, and optimising systems for real-world scale.

TECHNICAL SKILLS

Frontend: React.js · Next.js · TypeScript · JavaScript (ES6+) · AngularJS · HTML5 · CSS3 / Tailwind · Responsive Design · Accessibility (WCAG)

Backend: Node.js · Express.js · REST APIs · GraphQL · Python · Scripted API integrations · Webhook orchestration

AI & Automation: LLM API integration (Google Gemini, OpenAI) · NLP / RoBERTa · Agentic AI pipelines · n8n Automation · Prompt engineering · AI-powered code analysis

Databases: PostgreSQL · MongoDB · MySQL · Query optimisation · Schema design · Caching strategies

DevOps & Cloud: AWS · GCP · Docker · Kubernetes · Jenkins CI/CD · Git · Jira

EXPERIENCE

Fullstack / AI Engineer · Netsa.io

Oct 2025 – Dec 2025

- Recruited directly by the co-founder to architect and build the company's entire MVP from scratch — owning front-end, back-end, database design, and third-party API integrations.
- Designed and implemented AI-driven product features by integrating LLM APIs into the core application workflow, enabling intelligent, context-aware user experiences.
- Delivered a production-ready full-stack application under tight deadlines, blending Next.js, Node.js, PostgreSQL, and cloud deployment on a greenfield codebase.

Fullstack Developer · Offset Softwares

Feb 2025 – Dec 2025

- Engineered and maintained robust internal management systems, implementing complex n8n automation workflows that eliminated hours of manual operational work per week.
- Reduced application load times by **60%** by optimising PostgreSQL queries, indexing strategies, and introducing server-side caching — dramatically improving user experience at scale.
- Introduced a Jenkins/Docker CI/CD pipeline that cut deployment time by **50%** and reduced production errors by **75%**, enabling confident, frequent releases.

Fullstack Developer · MreqTech IT Solution

Dec 2023 – Feb 2025

- Migrated legacy monolithic applications to AWS cloud infrastructure, cutting infrastructure costs by **25%** and improving system reliability and horizontal scalability.
- Built the **Ethiopian Blood & Tissue Bank System** and an NGO Water Facility monitoring dashboard in React/Node.js — improving operational reporting efficiency by **40%** for field teams.
- Designed and implemented reusable component libraries and REST API patterns, reducing feature development time across projects significantly.

- Led a team of 6 engineers through the complete SDLC of a healthcare triage engine — coordinating database schema design, API integration, and cross-team delivery.
- Architected the internal workspace UI and developed custom front-end widgets using AngularJS, HTML/CSS, and client/server-side scripting.

FEATURED PROJECTS

SentinX — AI-Powered Code Governance Engine *Node.js · Google Gemini API · REST · Dashboard UI*

An external AI code-review engine that audits code quality and generates technical documentation without any impact on the running application platform.

- **Architecture:** Zero-overhead External Validation Engine in Node.js. A developer triggers an audit; the code is shipped to an external AI agent, keeping the main application fast and unaffected.
- **AI Pipeline:** Custom Sentinel Linter detects hardcoded values and performance anti-patterns; Google Gemini generates structured documentation and architectural recommendations.
- **Outcome:** Real-time Health Score dashboard surfaces issues before code is committed — delivering automated governance and in-context developer education.

Silent AI — NLP Sentiment Triage & Intelligent Routing System *Python · RoBERTa · REST API · Custom Dashboard*

A real-time NLP middleware prototype that classifies inbound customer feedback by urgency and routes it automatically — ensuring critical issues are never buried in noise.

- **Real-time Triage:** RoBERTa sentiment model scores every submission the moment it arrives, with sub-second latency.
- **Automated Routing:** Intelligent classification separates standard feedback from urgent, deadline-sensitive issues and routes each to the correct queue via REST API.
- **Smart Dashboard:** A custom front-end 'Tactical Approvals' view surfaces high-urgency items immediately — built end-to-end with custom widget development and API integration.

EDUCATION
