ESTIFANOS NEWAY

BACKEND AND DEVOPS ENGINEER

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EDUCATION

Bachelor of Arts in Software Engineering
Addis Ababa University, Institute of Technology (AAiT)
2019 - 2024

SKILLS

Languages
TypeScript • JavaScript • Golang

Frameworks
Node.js • NestJS • Express.js • Gin • Gorilla

Databases
PostgreSQL • MongoDB • Redis • MySQL • Azure SQL • DynamoDB

Cloud
AWS • AWS CDK • Azure • Docker • Azure DevOps • GitHub Actions

AI
RAG • MCP • Gemini API • Model Provider APIs • Prompt Engineering

Tools
Git • GraphQL • gRPC • REST APIs • Hasura • Dataverse • Power Platform

PROFESSIONAL PROFILE

I design and build backend systems, always learning what makes them scale. Currently focused on cloud infrastructure (AWS, Azure), event-driven architecture, and AI integrations.

WORK EXPERIENCE

BACKEND AND DEVOPS ENGINEER

Lunaria | Lisbon, Portugal · Remote | Jul 2025 - Present

Working as a Backend Engineer on a cutting-edge B2B SaaS platform for automated document generation and intelligent document parsing. The platform leverages OCR technology and full content analysis to extract and understand data from PDFs, images, scanned documents, and more. Operating within a modular, senior-architect–designed NestJS architecture focused on scalability, loose coupling, and clean domain boundaries. Work centers on event-driven backend development, hybrid data modeling, AWS infrastructure as code with CDK, RAG and vector search pipelines, LLM integrations, and AI-powered features using the Gemini API.

- Building event-driven backend services with NestJS and TypeScript
- Implementing hybrid data modeling with PostgreSQL and MongoDB
- Defining and managing AWS cloud infrastructure using CDK (Infrastructure as Code)
- Building document parsing pipelines with OCR and content extraction for PDFs, images, and scanned documents
- Developing RAG pipelines with vector search for intelligent document processing and semantic retrieval
- Integrating LLMs via Gemini API for AI-powered platform features
- Contributing to a scalable, modular architecture with clean domain boundaries

TypeScript · NestJS · PostgreSQL · MongoDB · AWS · AWS CDK · Gemini API · RAG

BACKEND AND DEVOPS ENGINEER

Operation HOPE, Inc. | Atlanta, GA, USA · Remote | Feb 2024 - Jun 2025

Designed and implemented cloud infrastructure and data integration solutions

that power internal digital platforms and AI-driven financial coaching tools.

- Architected Azure infrastructure using App Services, Functions, Container Instances, Storage Accounts, Logic Apps, Azure OpenAI, and SQL Server
- Built a Microsoft Teams bot using Bot Framework SDK for financial coaches, enabling real-time client engagement, session scheduling, and AI-powered coaching prompts via Teams channels
- Integrated Microsoft Graph API for Teams chat monitoring and subscription management across the coaching platform
- Developed integrations with Microsoft Dataverse and external APIs to enable cross-platform interoperability
- Built Power Platform solutions including Power Automate flows and Power Apps to automate internal business processes and improve operational workflows
- Deployed AI-powered virtual coach using OpenAI APIs and Azure-hosted services
- Implemented multi-tenant OAuth 2.0 flows with token refresh for secure Teams and Dataverse integrations
- Implemented CI/CD pipelines using Azure DevOps and Docker to automate deployment workflows
- Built data pipelines and automation workflows to improve operational efficiency
- Integrated Thinkific LMS API to sync course enrollments, user progress, and learning data with internal platforms
- Integrated Sterling Volunteers API to automate background check workflows and volunteer onboarding processes

`Node.js` `Go` `Azure` `Docker` `Azure DevOps` `Bot Framework SDK`

`Microsoft Graph API` `OpenAI API` `Dataverse` `Power Platform`

FULL-STACK WEB DEVELOPER

Mereb Technologies | Addis Ababa, Ethiopia | Sep 2023 - Jan 2024

Developed multiple web applications and backend services using modern full-stack technologies.

- Built web applications using React.js and Next.js for responsive user interfaces
- Developed backend services with Golang and Python using gRPC for microservices communication
- Managed PostgreSQL databases and implemented efficient data models
- Containerized applications with Docker for consistent deployment environments

`Golang` `Python` `React.js` `Next.js` `PostgreSQL` `Docker` `gRPC`

FULL-STACK WEB DEVELOPER

Minab IT Solutions PLC | Addis Ababa, Ethiopia | Jan 2023 - Aug 2023

Developed full-stack web applications using Vue.js ecosystem and modern

backend technologies.

- Created dynamic front-end applications with Vue.js and Nuxt.js
- Built GraphQL APIs using Hasura and custom resolvers in Go
- Designed and optimized PostgreSQL database schemas
- Implemented real-time features using GraphQL subscriptions

Go   Vue.js   Nuxt.js   PostgreSQL   Hasura   GraphQL