BIRUK EPHREM

DevOps Engineer & Full Stack Developer

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Summary

DevOps Engineer and Full Stack Developer with 5+ years of experience building scalable web applications, automating deployments, and implementing cloud infrastructure. Skilled in AWS, Docker, Kubernetes, and modern JavaScript frameworks. Passionate about creating efficient systems and leveraging AI/ML technologies.

Experience

DevOps Engineer

ETTA Solutions PLC | Addis Ababa | 2025-01 - Present

- Implement CI/CD pipelines to automate deployments and improve release cycles. Design and maintain scalable cloud infrastructure for client solutions. Improve system integrations and ensure high availability of services.

Full Stack Developer

Faris Technologies | Addis Ababa | 2023-12 - 2025-02

- Developed ICT solutions for diverse business requirements. Contributed to aerospace and AI research initiatives. Built and maintained full-stack applications using modern frameworks.

Full Stack Developer

Netib Consult | Addis Ababa | 2021-12 - 2023-12

- Designed and implemented user interfaces for web applications. Developed and managed backend servers and databases. Delivered end-to-end solutions for client projects.

Web/Game Developer

Desert Rose | Addis Ababa | 2020-11 - 2021-06

- Digitized an existing board game for online multiplayer access. Designed UI/UX and implemented frontend and backend systems. Integrated game servers with Telegram bot for user engagement.

Projects

Attendance, Warehouse and Finance Management System

Tech: Node.js, MySQL, React

A comprehensive system built for Muntaha Foundation that automates beneficiary registration, attendance tracking, warehouse inventory management, and donation/payment tracking.

Restaurant Order Automation

Tech: Node.js, MySQL

Developed for Luna Group. Automates restaurant order processing and generates financial reports integrated with cash register systems.

Amharic Corpus Data

Tech: Python, Scrapy, Web Scraping

Collected Amharic language corpus data from web sources, PDFs, and social media. Published as an open-source dataset on HuggingFace for NLP research.

Rental Management System

Tech: Next.js, Node.js, MySQL

Property management application for tracking rental units, tenants, and payment histories.

Technical Skills

AI & Data: LLM, LangChain, Ollama, Puppeteer, Scrapy, Transformers, Web Scraping

Backend: Laravel, Node.js, Python, RESTful API, TypeORM

Cloud & DevOps: AWS, Docker, Git, GitHub, Kubernetes, Linux Server, Nginx, Serverless

Databases: MongoDB, MySQL, VectorDB

Frontend: CSS3, HTML5, JavaScript, Next.js, Nuxt.js, React, SCSS, TailwindCSS, TypeScript, Vue.js

Other: C, C++, Java, Photoshop, WordPress

Education

ALX - Software Engineering Program
February 2022 - March 2023
12-month intensive program with specialization in Backend Development

Udacity - Cloud Developer Nanodegree
August 2022 - December 2022
AWS services, Full Stack applications on AWS, Serverless Framework

Information Network Security Agency (INSA) - Cybersecurity Program
March 2023 - May 2023
Training in cybersecurity, mobile security and privacy, system security

Languages

Amharic (Native), English (Professional)