

Haftamu Desta

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SUMMARY

Full-Stack Developer with a background in Electrical Engineering, equipped with intensive training in modern web technologies. Proven ability to design, build, and deploy full-stack applications using JavaScript, React, Python, Node.js, and Ruby on Rails. My engineering background fosters a systematic approach to problem-solving, enabling me to write clean, efficient, and scalable code. Thrives in collaborative, remote environments, with extensive experience in pair programming and agile methodologies.

PROFESSIONAL EXPERIENCE

Ethiopian Electric Power —Substation Construction *Electrical Engineer* 2015 – Present | Ethiopia

- Supervise the end-to-end construction of high-voltage substations, including equipment installation, and commissioning.
- Conduct and led **Factory Acceptance Tests (FAT)** and **Site Acceptance Tests (SAT)** to verify equipment quality and functionality before and after installation.
- Used **AutoCAD** to review, modify, and produce detailed electrical design drawings, layout plans, and wiring schematics.
- Collaborated with multidisciplinary engineering teams to ensure accurate implementation of design specifications.
- Developed strong skills in project coordination, cross-functional communication, and technical documentation, essential in remote software development and agile teams.

TECHNICAL SKILLS

Front-End: JavaScript, TypeScript, React, Next.js, Redux, Angular, HTML, CSS, Bootstrap, Tailwind CSS

Back-End: Ruby, Ruby on Rails, Python, Node.js, Express.js, GraphQL, Socket.IO, MongoDB, Firebase, Redis, PostgreSQL, C++

Testing: RSpec, Jest, Mocha, Cypress, Pytest

Tools & Methods: Git, GitHub, Render, Chrome Dev Tools, CI/CD, Agile, GitFlow, Mobile/Responsive Development

Professional Skills: Code Reviews, Remote Pair Programming, Mentoring, Problem Solving, Team Collaboration, Asynchronous Communication

PROJECTS

Blog App

- Built a fully functional blog platform supporting user authentication, role-based authorization, post creation, editing, commenting, and profile management.

- Developed RESTful APIs with **Python** and **Fast API** to handle server-side logic and database interactions.
- Designed responsive front-end interfaces using **JavaScript**, **Bootstrap**, and **HTML** for an optimal user experience.

Tech Stack: Python, Fast API, JavaScript, Bootstrap, HTML, PostgreSQL

Budget App

- Built a personal finance management platform allowing users to create categories, track expenses, and monitor budgets.
- Implemented secure user authentication for personalized data access.
- Wrote unit and integration tests using **RSpec** to maintain code reliability and stability.

Tech Stack: Ruby on Rails, PostgreSQL, RSpec, HTML, CSS

EDUCATION

Full-Stack Web Development Program — FreeCodeCamp (**Python/Node.js Stack**) April 2024 – Present
| Remote

- Focused on building full-stack applications using **Python (Flask)** and **Node.js/Express.js**.
- Gained hands-on experience working with relational databases (PostgreSQL, MySQL) and ORMs for data modeling and persistence.
- Integrated **Socket.IO** to enable real-time features such as live chat and instant updates.
- Developed, tested, and deployed RESTful APIs and microservices with authentication and role-based access.

Full-Stack Web Development Program — Microverse (Ruby on Rails Stack) Sept 2022 – Dec 2023 | Remote

- Completed 1300+ hours of project-based learning focused on **full-stack web development** with Ruby on Rails, JavaScript, React, and PostgreSQL.
- Built and deployed collaborative full-stack applications with global remote teams using Git, GitHub, GitFlow, and Agile methodologies.
- Developed strong competencies in backend development, relational databases, and API design.
- Practiced remote pair programming and daily code reviews, simulating real-world distributed team environments.

MSc. Electrical Engineering (Railway Systems) — *Addis Ababa Institute of Technology* Feb 2013 – Nov 2015 | Ethiopia

BSc. Electrical and Electronics Engineering — *Mekelle Institute of Technology* Sept 2007 – Aug 2012 | Ethiopia