

Robel Tilahun

◆ Full Stack Software Engineer ◆

rotilahun@gmail.com | +251973747550 | github.com/robeltila
linkedin.com/in/robeltilahun | robeltilahun.com



PROFESSIONAL SUMMARY

Full Stack Software Engineer with a strong foundation in systems thinking able to reason across every layer of a system, from frontend UI to API design, database architecture, and cloud infrastructure. My greatest edge is not what I already know, but how quickly I learn and how precisely I ask questions. Deeply curious, self-driven, and passionate about sharing knowledge across disciplines. Currently expanding expertise in Deep Learning and Google Cloud Platform.

TECHNICAL SKILLS

Languages

C ◆ Python ◆ JavaScript/TS ◆ Bash / Shell

Frontend

HTML5 ◆ CSS3 ◆ React.js ◆ Next.js...

Backend

Flask ◆ Express.js ◆ REST APIs ◆ HTTP / Networking...

Databases

SQL ◆ NoSQL ◆ Database Design...

DevOps

Linux / CLI ◆ Nginx ◆ Docker ◆ GCP (learning)...

AI / ML

Deep Learning (learning) ◆ Python ML libs...

EXPERIENCE

Full Stack Software Engineer · Freelance / Self-directed Projects

2022 – Present

- ◆ Designed and built full-stack web applications spanning frontend (React.js, Next.js), backend (Flask, Express.js), and deployment (Nginx, Docker).
- ◆ Developed RESTful APIs with a deep understanding of HTTP, server-client architecture, and networking fundamentals.
- ◆ Solved algorithmic programming challenges in C and Python — solutions publicly available on GitHub.
- ◆ Deployed and managed applications on Linux servers using Nginx as a reverse proxy and Docker for containerisation.

- ◆ Mentored peers and shared knowledge across disciplines, reinforcing understanding through teaching.

NOTABLE PROJECTS

C Programming Problem Set

Comprehensive low-level C programs covering memory management, pointers, data structures, and algorithms demonstrating mastery of foundational programming concepts. Available on GitHub.

Flask Web Application

Server-side web application using Flask hands-on grounding in HTTP request/response cycles, routing, templating, and API design patterns.

Python Problem Set

Python algorithmic solutions covering data manipulation, scripting, and object-oriented programming. Available on GitHub.

EDUCATION & SELF-DIRECTED LEARNING

Software Engineering - Self-taught · 2022 – Present

- ◆ Started with Linux OS fundamentals and Bash scripting built confidence navigating the CLI before any higher-level language.
- ◆ Learned C as a first language, shaping a low-level mental model of memory, systems, and program execution.
- ◆ Progressed through Python, Flask, HTML/CSS, JavaScript, React.js, Next.js, Express.js, Docker, and Nginx.
- ◆ Currently self-studying Deep Learning and Google Cloud Platform (GCP).

WHAT SETS ME APART

- ◆ Systems thinker: I reason about problems at every layer UI, API, database, and infrastructure rather than staying siloed in one area.
- ◆ Rapid learner: My value grows with every new challenge; I learn quickly and ask precise, well-framed questions.
- ◆ Intellectual curiosity: Actively studying across disciplines (ML, cloud, systems...) and enjoy teaching what I know to others.
- ◆ Questioning mindset: I believe the most important skill in an era of instant answers is asking the right question.

◆ *References available upon request* ◆