

SAMUEL DAGNACHEW

FULLSTACK SOFTWARE ENGINEER

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<https://samdevhub.vercel.app> Addis Ababa, Ethiopia



SUMMARY

Full-Stack Software Engineer with 2+ years of hands-on experience building production systems using TypeScript, React, Next.js, Node.js, NestJS, and Python. Experienced in microservice architectures, scalable API development, and cloud deployments with PostgreSQL, Supabase, and Vercel. Known for **ownership, product thinking, team collaboration, and communication**, with a focus on building reliable, high-performance applications across the full development lifecycle.

EXPERIENCE

Fullstack Software Engineer YaYa Wallet

10/2025 - Present Addis Ababa, Ethiopia

YaYa PII SC is a licensed fintech company that provides secure digital wallet solutions for payments, money transfers, and remittances.

- Redesigned internal and business dashboards with a modern, intuitive UI/UX, improving daily usability and workflow efficiency.
- Optimized application performance end-to-end using **React Query caching** on the frontend and **Redis** on the backend, reducing response times by 3x.
- Migrated the company's internal SDK to a modern implementation, enabling smoother integrations for future projects.
- Rebuilt the internal dashboard from scratch, improving code quality, architecture, and maintainability.
- Migrated the business dashboard to the new architecture, significantly enhancing performance, maintainability, and development velocity.
- Contributed to backend microservices using **NestJS** and **TypeScript**, designing secure APIs with **JWT-based RBAC** authentication and reliable transaction handling integrated with the frontend.

EDUCATION AND CERTIFICATIONS

B.Sc. Computer Science CPU COLLEGE

2021 - 2025 Addis Ababa, Ethiopia

GPA

3.45 / 4.0

Nanodegree in AI and Android Development Udacity

2024

LANGUAGES

English
Proficient



Spanish
Intermediate



FIND ME ONLINE

 **Github**
<https://github.com/FilippoDeSilva>

 **Telegram**
https://t.me/Lt_Col_SamSilva

PROJECTS

Class Unity - School Management System

<https://class-unity.vercel.app>

Full-stack platform automating college operations: real-time chat, grade reports, resource sharing, and complaints management. Built with Next.js, React, Tailwind CSS, Prisma, PostgreSQL, Clerk, Supabase, and TypeScript.

Impact: Replaced manual workflows with a secure, responsive, and scalable system.

Autotest - VS Code Automated Testing Extension

<https://auto-test-landing.vercel.app>

Developer tool integrating automated test generation, CI/CD pipeline, and backend services on Vercel. Idea originated and pitched by me, led development to MVP and promotional landing page.

Impact: Highlights innovation, automation, full-stack development.

SKILLS

Frontend

[Next.js](#) [React](#) [React Native](#)

[Tailwind CSS](#) [Java Script](#) [Figma](#)

[Type Script](#) [Framer Motion](#)

Backend

[Node.js](#) [NestJS](#) [Python](#) [Prisma](#)

[Supabase](#) [PostgreSQL](#) [MongoDB](#)

[REST APIs](#)