

Ahmed Abdulaahi Shire

Software Engineer

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PROFESSIONAL SUMMARY

Motivated Software Engineer with three years of hands-on experience building full-stack, mobile, and desktop applications. Skilled in developing responsive, production-ready software using modern web, mobile, and backend technologies, with a strong foundation in problem-solving and clean, maintainable code. Passionate about continuous learning and delivering reliable, well-architected software solutions.

TECHNICAL SKILLS

Programming: JavaScript, Python, Java, C#

Frontend: HTML5, CSS3, React, Next.js, Tailwind CSS, Bootstrap, shadcn/ui

Backend: Node.js, Express.js, PHP, Prisma, Drizzle ORM, WebSockets, WebRTC

Databases: MySQL, PostgreSQL, MongoDB, Oracle

Tools & DevOps: Git, GitHub, VS Code, Docker, CI/CD (GitHub Actions), Nginx

Other: REST APIs, GraphQL, Linux

PROJECTS

UNICORE Academic Digital Ecosystem

Full-stack enterprise academic platform | React, Node.js, Express, MongoDB, Socket.IO, WebRTC, Docker

- Built a full-stack enterprise platform unifying online examinations, virtual classrooms, digital library management, and academic administration into one scalable system.
- Implemented secure browser-based examinations using Safe Exam Browser integration, fullscreen enforcement, violation logging, and QR verification to protect academic integrity.
- Built isolated Docker sandboxes for automated coding examinations supporting C, C++, Python, JavaScript, and Bash.
- Developed real-time video conferencing, chat, and notifications using WebRTC and Socket.IO for hundreds of concurrent users.
- Implemented JWT and Google OAuth authentication with role-based access control, and deployed a cloud-ready architecture using Docker, GitHub Actions CI/CD, Nginx, and MongoDB Atlas.

AI Short Video Generator

AI SaaS platform | Next.js, Drizzle ORM, PostgreSQL

- Built an AI-powered platform, with a Next.js/Drizzle ORM/PostgreSQL dashboard, that generates short-form videos and manages projects from user prompts.

Flutter Attendance App

Mobile application | Flutter

- Developed a role-based mobile attendance system with distinct dashboards for admins, teachers, and students.
- Implemented strict daily attendance logging rules and validation constraints.

Remittance System

Backend system | Node.js, SQL

- Built a web-based currency exchange and financial remittance engine simulating transactional ledgers and balance operations.

EXPERIENCE

Independent Software Developer

Self-directed | Mogadishu, Somalia | 2023 – Present

- Spent three years independently building and shipping full-stack, mobile, and backend projects, gaining production-style experience with modern JS/TS stacks, SQL/NoSQL databases, Docker/CI-CD deployment, and IT/network support work.

EDUCATION

Bachelor of Science in Computer Science

University of Somalia | Mogadishu, Somalia | Completed

National Secondary School Certificate Examination

Government Certificate | Completed

Cyber Security

Self-Taught | Currently Learning

All practical software development skills (web, mobile, and backend technologies) are self-taught, gained through independent projects, online resources, and continuous hands-on practice.

CERTIFICATIONS

- National Secondary School Certificate Examination
- Bachelor of Science in Computer Science
- HTML, CSS, JavaScript & React
- Google IT Support Professional Certificate
- Google Docs
- Google Sheets
- Google Slides