

Abdirahman Mohamed

Junior Software Developer

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PROFESSIONAL SUMMARY

Motivated junior software developer with practical experience building full-stack web applications using Python, React, and PostgreSQL. Completed comprehensive software engineering training with three deployed projects demonstrating proficiency in RESTful API development, database design, and responsive frontend development. Eager to contribute to a development team while continuing to learn and grow technical skills in a professional environment.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript

Frontend: React, HTML5, CSS3, Tailwind CSS

Backend: FastAPI, Flask

Databases: PostgreSQL, SQLAlchemy

Tools & Version Control: Git, GitHub, VS Code

Core Concepts: REST APIs, Authentication (JWT), CRUD Operations, Responsive Design

AI/ML Fundamentals: TensorFlow, PyTorch, Scikit-learn, Machine Learning & NLP basics

PROJECTS

Apartment Management System – Client Project

[GitHub Repository](#)

A full-stack web application developed for a property manager to replace manual Excel-based tracking with a digital system for managing rental properties and tenants.

- Worked with a real client to understand their basic requirements and challenges with using Excel for property management

- Designed and built REST API endpoints using FastAPI to manage tenants, units, and rent records
- Implemented JWT-based authentication to control access to the system
- Developed a React frontend to view and manage rental information through a simple dashboard
- Designed a PostgreSQL database schema to store tenant, property, and payment-related data
- Delivered a functional system that helped the client organize records digitally instead of spreadsheets

Technologies: React (Vite), Tailwind CSS, FastAPI, PostgreSQL, SQLAlchemy

Outcome: Replaced manual Excel tracking with a structured digital system and strengthened real-world full-stack development experience

Digital Library Management System

[GitHub Repository](#)

A role-based web application developed to practice backend logic, authentication, and CRUD operations for a digital library system.

- Built CRUD functionality for books and categories
- Implemented role-based access for admins and members
- Created a basic borrowing workflow to track borrowed books and returns
- Designed database models to support book inventory and borrowing records

Technologies: React, Tailwind CSS, Flask / FastAPI, SQLAlchemy, PostgreSQL

Outcome: Strengthened skills in CRUD operations, authentication, and relational database modeling

AutoSpare Hub

[GitHub Repository](#)

A single-page web application built to simulate an online store for commercial motor spare parts.

- Developed a React single-page application with basic routing and state management
- Built separate views for customers (browsing products) and admins (managing inventory)
- Implemented product listing and category filtering
- Practiced structuring an e-commerce-style frontend workflow

Technologies: React (Vite), JavaScript, CSS

Outcome: Gained experience building SPAs and simulating real-world e-commerce workflows

EDUCATION

Software Engineering Bootcamp

Moringa School | 2024 – Present | Nairobi, Kenya

- Intensive full-stack development training covering Python, JavaScript, React, and SQL
- Built three full-stack applications from concept to deployment
- Practiced agile development, version control with Git, and collaborative coding
- Participated in code reviews, pair programming, and technical presentations

Diploma in Business Information Technology

Strathmore University | Completed December 2024

- Hybrid program combining IT and business education
 - IT coursework: Database Management Systems, Web Development, Systems Analysis & Design, Programming Fundamentals
 - Business coursework: Accounting, Economics, Business Management, Business Processes
 - Gained understanding of how technology solutions support business objectives
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CERTIFICATIONS

Artificial Intelligence Launchpad | Moringa School | 2026

- Foundational training in Machine Learning, Deep Learning, and Natural Language Processing (NLP)
 - Introduction to AI frameworks: TensorFlow, PyTorch, and Scikit-learn
 - AI ethics and responsible AI practices in software development
 - Practical exposure to integrating AI capabilities into applications
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WHAT I BRING

Technical Foundation:

- Solid understanding of full-stack development principles and best practices
- Ability to write clean, maintainable code with proper documentation

- Experience debugging issues and implementing solutions.

Soft Skills:

- Quick learner who adapts easily to new technologies and frameworks
- Strong communication skills with experience explaining technical concepts
- Team player comfortable giving and receiving constructive feedback
- Self-motivated with ability to meet deadlines and manage time effectively

Work Approach:

- Proactive problem solver who researches solutions before asking for help
- Detail-oriented with focus on code quality and user experience
- Open to mentorship and committed to continuous improvement

ADDITIONAL INFORMATION

Languages: English (Fluent), Swahili (Conversational)

REFERENCES

Available upon request