

CONTACT

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GitHub Profile
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EDUCATION

2024 - 2025
JAMHURIYA UNIVERSITY OF SCIENCE AND TECHNOLOGY
M.Sc. Data Science

2019 - 2023
JAMHURIYA UNIVERSITY OF SCIENCE AND TECHNOLOGY
B.Sc. Computer Science

TECHNICAL SKILLS

- **Backend:** C# / ASP.NET Core, Java, Node.js & Express, Python, Golang
- **Frontend:** React.js, Next.js, JavaScript, HTML, CSS
- **Databases:** Oracle, SQL Server, PostgreSQL, MySQL, MongoDB
- **APIs & Integration:** REST APIs, JSON, XML, OAuth 2.0, JWT, webhooks, third-party banking interfaces
- **DevOps & Tools:** Git, Docker, CI/CD pipelines, Visual Studio, VS Code
- **Platforms:** Windows, Linux, Unix
- **Practices:** Agile / Scrum, secure coding, code review, technical documentation

ABDIMALIK OSMAN HASSAN

FULL-STACK SOFTWARE ENGINEER

PROFILE

Full-stack software engineer with over 4 years of professional experience building and supporting production web applications, APIs and system integrations, including 1.5 years inside a regulated banking environment. Currently ICT Developer at MyBank Limited, where I integrate and support the Somali Payment Switch (SPS), Modefin, Azentio iMAL, WAAFI and the core banking system, and maintain the interfaces that carry live transactions between internal banking systems and external payment and regulatory platforms. Comfortable across the full stack - React.js and Next.js on the frontend, C#.NET and Node.js on the backend, Oracle and SQL Server on the data layer - with hands-on exposure to secure authentication, transaction troubleshooting, performance tuning and IT audit practice. M.Sc. in Data Science and B.Sc. in Computer Science.

PROFESSIONAL EXPERIENCE

MyBank Limited | Mogadishu, Somalia Feb 2025 - Present
ICT Developer

- Integrate and support third-party payment and banking platforms - **Somali Payment Switch (SPS)**, Modefin, Azentio iMAL, WAAFI and the core banking system - enabling interoperable digital transactions across bank channels.
- Build and maintain secure interfaces between internal banking systems and external payment and regulatory platforms, improving interoperability and reliability of transaction flows.
- Diagnose integration and transaction failures in production - failed, delayed and duplicated transactions - tracing message flows end to end and coordinating fixes with internal teams and external vendors.
- Resolved major performance bottlenecks, achieving a **30% improvement** in application efficiency and system responsiveness under high transaction volumes.
- Implement security controls for banking transactions and data privacy, including authentication, access control and secure configuration, in line with institutional and regulatory requirements.
- Support software releases, system maintenance and Oracle/SQL database optimisation; document changes and train end users on banking and operational systems.

Tabaarak ICT Solutions | Mogadishu, Somalia Dec 2022 - Jan 2025
Web Applications Developer - MERN Stack & .NET

- Developed and maintained production web applications using ASP.NET, React.js, Django and CodeIgniter, delivering features end to end across frontend, backend and data-access layers.
- Designed and managed relational databases (MySQL, PostgreSQL) - schema design, data integrity and query performance.
- Implemented OAuth and JWT authentication and authorisation to protect user data and secure API access.
- Built and integrated ODK-based tools for data collection, analysis and reporting on development and humanitarian projects.
- Drafted system documentation and training materials for each new module, and provided remote technical support to internal teams and external partners.

Nano Systems | Mogadishu, Somalia Jan 2021 - Nov 2022
Software Developer

- Designed and developed web applications on the MERN stack (MongoDB, Express, React.js, Node.js), including CRM, HRM and clinic management systems.
- Implemented user authentication and authorisation with JWT and OAuth, and built REST APIs consumed by web clients.
- Managed database schemas and CRUD operations, and optimised systems for performance and scalability under multi-user load and large datasets.
- Worked closely with the UI/UX team to deliver responsive, usable interfaces.

CERTIFICATIONS

OCT - 2023
COURSERA.ORG
.NET Full-Stack Developer

OCT - 2022
IEEE
IEEEExtreme 16.0 Programming
Competition

OCT - 2022
UDEMY
Responsive Web Development with
HTML5, CSS, Bootstrap & JavaScript

LANGUAGES

- Somali - Native
- English - Fluent

REFERENCES

Dr. Mohamud Ahmed Jimale
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SELECTED PROJECTS

- ERP System - Asal24 (TV cable service provider)**
- Designed, built and maintained an ERP covering customer management, billing, subscription tracking, payment handling, inventory, ticketing, HR and reporting.
 - Implemented a role- and permission-based access model to control access across modules.
- CRC Financial System - CRC Somalia**
- Built a financial system managing transactions, expense tracking, financial records and report generation to support accurate decision-making.
- Water & Electric Billing Systems**
- Developed billing platforms handling customer data, bill generation and payment tracking, optimised for performance and data security.
- E-commerce Platform (MERN)**
- Implemented a full-featured storefront with integrated payment gateways and secure transaction handling.
- Inventory Management System (MERN / Next.js)**
- Delivered stock, order and delivery tracking with real-time analytics and reporting.
- Surgery Management System - Prof. Dr. Mohamed Amin**
- Built patient registration, appointment scheduling, surgery tracking and reporting modules for day-to-day clinical operations.
- HRM & Attendance Systems**
- Developed HR systems covering employee records, attendance tracking and payroll processing, plus a C# attendance system for teachers, students, classes and courses; delivered user training and ongoing support.
- Real Estate Management System (MERN / Next.js)**
- Implemented property listing, search and booking with Google Maps API integration for location visualisation.

CORE COMPETENCIES

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| • Secure, maintainable full-stack development | • REST API design and system integration |
| • Relational data modelling and SQL tuning | • Transaction troubleshooting under pressure |
| • Production support and incident diagnosis | • Relational databases: Oracle, SQL Server, PostgreSQL |
| • Technical documentation and knowledge transfer | • Agile / Scrum delivery and peer code review |
| • End-user training and stakeholder collaboration | • Fluent written and spoken Somali and English |