

ISMAHAN HUSSEIN ABDI

FULL-STACK SOFTWARE ENGINEER | SECURE DIGITAL PLATFORMS

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PROFESSIONAL PROFILE

Telecommunication Engineering graduate and ICT professional with 5+ years of combined project-based and institutional experience supporting secure digital systems, production environments, network operations, Linux/VPS deployments, and technical users. Practical experience with Nginx, PM2, DNS, TLS certificates, environment configuration, logging, monitoring, troubleshooting, backup practices, and operational support. Brings foundational routing, switching, and connectivity experience, together with cybersecurity awareness, secure information handling, technical documentation, and stakeholder coordination in a regulated government environment.

CORE TECHNICAL COMPETENCIES

- **Frontend:** React, TypeScript, JavaScript, responsive interfaces, reusable components, dashboards and administrative portals
- **Backend & APIs:** Node.js, Express.js, REST APIs, authentication and authorization, client-server architecture, API integration and secure workflows
- **Mobile:** Flutter/Dart, mobile application architecture, secure API integration, device workflows and release preparation
- **Data & Integration:** MongoDB, data modelling, SQL fundamentals, JSON, webhooks, file/data exchange and third-party service integration
- **Security:** OWASP-aware development, TLS, OAuth 2.0/PKCE concepts, access control, privacy-by-design, secure data handling and incident support
- **Delivery & Operations:** Git, Nginx, PM2, Linux/VPS deployment, SSL certificates, environment configuration, logging, troubleshooting and production support
- **Engineering Practice:** Requirements analysis, modular design, debugging, testing, technical documentation, user training and Agile collaboration
- **Additional Languages:** Java fundamentals, PHP, C++ and WordPress

SELECTED SOFTWARE PROJECTS

Somalia Data Protection Authority Digital Platforms | *Government / Regulated Environment*

- Developed and supported the Authority's public-facing website and digital service workflows, including registration, complaints, breach notification, guidance, and secure client-server interactions.
- Applied responsive design, role-aware workflows, API integration, security controls, privacy-by-design principles, and technical documentation for institutional use.

Live platform: <https://dpa.gov.so>

Shimbirr Digital Identity Verification Platform | *Flutter + Node.js*

- Built mobile and backend workflows for document OCR, multi-angle face capture and verification, identity status management, secure REST APIs, and administrator operations.
- Implemented OAuth 2.0 authorization concepts with PKCE, verification-gated access, structured status tracking, server deployment, logging, and production troubleshooting.

Taban Enterprise Web Platforms | *React + Node.js*

- Built and deployed responsive business websites and service applications with pricing, ordering/checkout, account flows, API-backed features, and operational administration.
- Configured Linux/VPS hosting, Nginx routing, PM2 process management, domain/DNS integration, TLS certificates, and ongoing production support.

Live platform: <https://taban.so>

Business Management and ERP Interfaces | *React / TypeScript*

- Developed and improved responsive modules for billing, inventory, sales, purchases, customers, reporting, validation, routing, and reusable interface components.
- Resolved frontend runtime and TypeScript issues, improved user flows, and preserved application logic while modernizing production interfaces.

PROFESSIONAL EXPERIENCE

ICT Focal Point / Data Protection Specialist — Somalia Data Protection Authority, Mogadishu | *Oct 2023 – Present*

- Coordinate secure digital platforms, institutional ICT support, website and system improvement, cybersecurity awareness, and secure data-handling practices.
- Gather requirements, analyse operational workflows, support API and client-server solutions, document processes, test changes, and coordinate with technical teams and partners.
- Contribute to privacy and security risk assessments, access-control practices, incident and breach-response readiness, vulnerability awareness, and privacy-by-design implementation.
- Support production systems and users through troubleshooting, account and platform assistance, technical guidance, documentation, training, and stakeholder communication.

Project-Based Full-Stack Development & Digital Systems Support — Somalia | *2019 – 2023*

- Designed and developed websites, responsive interfaces, backend services, APIs, mobile applications, and digital content systems for institutional and business use.
- Used JavaScript, React, TypeScript, Node.js, Flutter, PHP, WordPress, APIs, databases, and client-server concepts to deliver end-to-end solutions.
- Supported software setup, testing, deployment, troubleshooting, technical documentation, user guidance, data organization, and backup practices.

Graphic Designer — Deero Adverts, Somalia | *2021*

- Produced user-focused digital communication materials and collaborated with teams to improve clarity, consistency, and public engagement.

Telecommunications Intern — Hormuud Telecom, Somalia | *Jul 2018 – Aug 2018*

- Supported network operations, routing and switching, connectivity troubleshooting, service-quality monitoring, and customer-focused technical support.

EDUCATION

Bachelor of Telecommunication Engineering — Hormuud University (HU), Somalia | *2015 – 2019*

- Relevant study: telecommunications systems, computer networks, internet technologies, programming fundamentals and signal processing.

PROFESSIONAL TRAINING & CERTIFICATIONS

- Certified Information Privacy Manager (CIPM), 2024
- Cybersecurity Tools and Cyber Attacks — IBM, 2023
- GDPR Compliance: Essential Training, 2024
- Privacy, Governance and Compliance: Data Sharing, 2024
- CIPP/US: Government and Court Access to Information, 2024
- California Consumer Privacy Act Essential Training, 2024
- CCNA 1–4 — Cisco Networking Academy, 2018
- Training of Trainers Programme — Tanzania

LANGUAGES

Somali: Native | English: Fluent | Arabic: Good

PROFESSIONAL STRENGTHS

Analytical problem-solving | Secure and maintainable development | Documentation | Cross-functional collaboration | User training | Operational support | Continuous learning