

ABDULATIF JUMANNE SALUM

Phone: +255 745 691504 | Email: abdulatifmsalum@gmail.com | Dar es Salaam, Tanzania
[GitHub: github.com/Abdulatif-Salum](https://github.com/Abdulatif-Salum) | [LinkedIn: linkedin.com/in/Abdulatif-Salum](https://www.linkedin.com/in/Abdulatif-Salum)

PROFESSIONAL SUMMARY

Self-motivated software enthusiast dedicated to designing, building, and monitoring systems that solve socioeconomic challenges. Disciplined learner and problem solver with a strong background in frontend engineering, opensource collaboration, and DevOps operations. Strong leadership skills with a collaborative spirit efficiency and effectiveness thrive in team environments.

TECHNICAL SKILLS

- **Languages:** Golang, JavaScript, TypeScript, C/C++, HTML5, CSS
- **Frameworks/Libraries:** React JS, Next.js, Gin, Echo, Node JS, Tailwind CSS, VeraUI
- **Backend & Databases:** MongoDB, Redis, PostgreSQL, MySQL, RabbitMQ
- **DevOps & Tools:** Docker, CI/CD Pipelines, DigitalOcean VPS, Linux, Git/GitHub, Figma, Turborepo
- **Observability & Testing:** New Relic APM, Structured Logging, Testcontainers, OpenAPI/Swagger

PROFESSIONAL EXPERIENCE

Helga Digitals Limited | *Software Engineering Intern* | Sept 2025 – Dec 2025

Field Professional Experience | July 2025 – Sept 2025

- **Frontend Engineering:** Developed user interfaces using React and TypeScript, focusing on building modular, type-safe, and responsive components.
- **API Integration:** Integrated frontend applications with complex APIs to ensure seamless data flow and performance.
- **Open-Source Contribution:** Contributed to the VeraUI library (veraui.helgadigitals.com) by designing and implementing various UI components to improve developer productivity.
- **DevOps & Deployment:** Assisted in building CI/CD pipelines and managing Docker integrations; deployed applications to DigitalOcean VPS and localhost environments.
- **Key Learning:** Mastered Component-Driven Development (CDD) methodology by building scalable UI libraries for public use.
- Gained expertise in State Management and type safety within large-scale production environments.
- Learned to bridge development and operations by automating deployment workflows using CI/CD and Containerization.
- Enhanced collaborative engineering skills by working within a professional Git-flow and participating in open-source code reviews.

PROJECT EXPERIENCE

Tasker — Task Management Application | *Next.js, Golang, PostgreSQL, Redis, Docker, Turborepo*

A full-stack, production-grade task management platform with a high-performance Go backend and a modern Next.js frontend, organized as a monorepo.

- **Monorepo Architecture:** Structured the entire codebase as a monorepo using Turborepo for efficient parallel builds and streamlined development workflows across frontend and backend packages.
- **Go Backend:** Built a high-performance REST API using the Echo framework in Go, following clean architecture principles with clear separation of concerns.
- **Authentication:** Integrated Clerk SDK for secure, production-ready user authentication and session management.
- **Database:** Designed and managed a PostgreSQL database with schema migrations and connection pooling for reliability and scalability.
- **Background Jobs:** Implemented Redis-based asynchronous background job processing with Async for handling tasks like notifications and scheduled operations.

- **Observability:** Integrated New Relic APM for application performance monitoring and implemented structured logging for full production observability.
- **Email Service:** Built a transactional email service using Resend with custom HTML templates for notifications and user communications.
- **Testing:** Set up comprehensive test infrastructure using Testcontainers for realistic, isolated integration testing of database and service layers.
- **API Documentation:** Documented the entire API surface with an OpenAPI/Swagger specification for clear developer contracts and easy frontend integration.
- **Security:** Implemented production security best practices including rate limiting, CORS policies, secure HTTP headers, and JWT validation.

Key Learnings: Gained end-to-end experience architecting and shipping a production-grade full-stack system from database design and background job processing to observability, security hardening, and API documentation. Deepened expertise in Go's ecosystem, monorepo tooling, and building maintainable services that are observable and testable from day one.

Social Media Microservices Architecture | *Node.js, MongoDB, Redis, RabbitMQ*

- Developed a scalable backend using a microservices-based architecture and the API Gateway pattern.
- Implemented event-driven communication using RabbitMQ and optimized data retrieval via distributed caching with Redis.

EDUCATION

- **Degree in Computer Science** | Institute of Finance Management | *Nov 2024 – Present*
- **Diploma in Computer Science** | University of Dar es Salaam | *Nov 2022 – July 2024*
- **Certificate in Computer Science** | University of Dar es Salaam | *Nov 2021 – July 2022*
- **Secondary School Education** | Eagles Secondary School | *Jan 2016 – Dec 2019*

INTERPERSONAL SKILLS

- Leadership and team collaboration.
- Critical thinking and analytical problem-solving.

REFEREES

Brian Filbert Lemasani

Chief Technology Officer

Helga Digitalis

Phone: +255 757 909 821 | Email: brian.lemasani@helgadigitalis.co.tz

Dr. Ruthbetha Kateule

Lecturer, Non-Degree Program Coordinator — Dept. of Computer Science and Engineering

College of ICT (CoICT), University of Dar es Salaam

Phone: +255 782 507 599 | Email: rkateule@udsm.ac.tz

Mr. Masembo Marco

Lecturer — Dept. of Computer Science and Engineering

College of ICT (CoICT), University of Dar es Salaam

Phone: +255 657 244 108 | Email: masembo.marco@udsm.ac.tz