Saidi Hamisi

Backend Software Engineer | Node.js (Express.js, NestJS) | ASP.NET Core | REST APIs
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SUMMARY

Backend Software Engineer with 3+ years of experience building and maintaining scalable APIs and backend systems using Node.js, TypeScript/JavaScript, ASP.NET Core, and SQL. Experienced in working with production systems across fintech, telecom, and web platforms, with strong focus on performance optimization, system reliability, and clean architecture principles.

Currently building a multi-tenant SaaS backend using NestJS, applying clean architecture and modular design patterns to develop scalable and maintainable backend systems.

TECHNICAL SKILLS

Backend:
Node.js (Express.js, NestJS), TypeScript, ASP.NET Core, REST APIs, Clean architecture.

Databases & Cache:
PostgreSQL, MSSQL, MongoDB, Redis.

Cloud & DevOps:
AWS (EC2 – environment setup & deployment), Docker, GitHub Actions (CI/CD), Nginx, Git

Systems & Integrations:
API integrations, WhatsApp Cloud API, real-time systems (Socket.io, SignalR), multi-tenant systems

Core Strengths:
Backend architecture, API development, production debugging, performance optimization, system reliability

EXPERIENCE

DataBalk, Franschhoek, South Africa - Software Developer
August 2024 – Present

- Develop and maintain scalable backend APIs using Node.js and SQL databases.
- Design and improve backend architecture for system reliability and performance.
- Debug and resolve complex production issues across multiple applications.
- Optimize database queries and API performance for high-usage systems.
- Maintain shared backend components across multiple production products
- Collaborate with cross-functional teams to deliver new features and system improvements.

CATS-NET, Tanzania - Software Developer (Remote | Contract)
September 2023 – August 2025

- Built backend systems and APIs using ASP.NET Core for long-term production use.
- Developed a WhatsApp-based ticketing and support platform integrating WhatsApp Cloud API and real-time messaging.

- Implemented role-based access control (RBAC), approval workflows, and financial logic.
- Maintained and improved system performance, reliability, and security.
- Collaborated with teams to deliver scalable backend solutions.

Airtel, Tanzania - IT Executive
December 2023 – August 2024
- Monitored and supported mobile money and telecom production systems.
- Investigated system alerts, transaction issues, and service disruptions.
- Collaborated with engineering teams to maintain system reliability.
- Assisted in testing and validating system updates and integrations.
- Gained experience working with high availability fintech and telecom systems.

PROJECTS
NestJS Multi-Tenant SaaS Platform (In Progress)
Building a scalable backend platform using NestJS and clean architecture principles. Implementing JWT authentication, RBAC, and modular multi-tenant system design while developing REST APIs and maintainable backend structure for production-ready applications.
Link: nikupangishe-backend

TCSFS- WhatsApp Ticketing & Support Platform
Production system integrating Next.js frontend with ASP.NET Core backend.
WhatsApp Cloud API integration for ticket creation and messaging.
Real-time updates using SignalR.
Link: tcsfs

Ruilmijnwoning.
API development using Node.js (Express) for a housing exchange platform used by tenants and housing corporations in the Netherlands.
Link: ruilmijnwoning

Catsgroup Site
Corporate website with ASP.NET Core backend and Next.js frontend.
Link: catsgroup

EDUCATION
University of Dodoma, Tanzania
Bachelor of Science in Software Engineering
2019 – 2023

PUBLICATIONS
- Benefits of Using Caching
- Unit Testing with Supertest and Jest
- API Authentication and Access Control

LANGUAGES
Swahili (Native), English (Professional)