

HENSON KUDI AMAH

Senior Backend & Full-Stack Developer | Blockchain & Cloud-Native Systems

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PROFESSIONAL SUMMARY

Seasoned Software Engineer with 4+ years building backend systems, microservices, and blockchain-integrated applications. I design high-availability platforms in **ASP.NET Core, Node.js, and Python** using Clean Architecture and DevOps best practices. I've led cross-functional teams, shipped secure, production-ready software, and driven technical initiatives across fintech and payments ecosystems.

WORK EXPERIENCE

Senior Backend Developer — Odix Pay, Dubai, UAE

Mar 2025 – Present

Crypto Payments • Card Integration • ASP.NET Core • Microservices • Blockchain

- Designed and built a robust crypto-to-fiat payment backend enabling users to spend cryptocurrencies via cards.
- Architected modular microservices using ASP.NET Core (C#) and Clean Architecture for scalability and maintainability.
- Integrated multiple chains (Ethereum, Tron, Bitcoin) for real-time transactions and wallet services.
- Implemented multi-tenancy to serve multiple business clients with isolated data and logic.
- Deployed workloads to AWS ECS with Docker; CI/CD via GitHub Actions.

- Developed secure transaction engines, currency rate services, and sweeping mechanisms for wallet management.
- Monitored infra and app health with CloudWatch, Prometheus, and Grafana.

Contract Technical Lead / Full-Stack Developer — NFC Rent, Remote/UAE

Oct 2024 – Mar 2025

Car Rentals • Fiat & Crypto Payments • Node.js • Next.js

- Built a car-rental platform with integrated fiat/crypto payments, scheduling, and delivery logistics.
- Designed an investment portal enabling stake ownership in vehicles and dividend payouts.
- Developed backend services in Node.js (Express) with PostgreSQL under Clean Architecture.
- Built admin and user apps with Next.js (SSR/SEO), delivering responsive, intuitive UX.
- Integrated smart-contract asset tracking and wallet modules for rewards distribution.

Technical Lead / Full-Stack Developer — Alba Cars LLC, Dubai, UAE

Oct 2022 – Sept 2024

Node.js • React.js • PostgreSQL • Redis • AWS • CI/CD

- Led a team of 6; coordinated sprints and end-to-end SDLC.
- Decomposed a legacy monolith into scalable Node.js microservices, improving release cadence and maintainability.
- Built and managed Express APIs; optimized PostgreSQL indexes/queries for reporting & analytics.
- Introduced event-driven patterns with Redis Streams and WebSocket infra for realtime notifications and chats.
- Delivered modern SPAs in React/Next.js aligned with WCAG accessibility.
- Established CI/CD with GitHub Actions & Docker; managed AWS (ECS, EC2, CloudWatch) environments.

- Delivered internal **Python** services using **Django** and **Flask** for reporting, operational dashboards, and partner API integrations.

Full-Stack Blockchain Developer — Strider Labs LLC, Remote

Sept 2020 – Oct 2022

Solidity • dApps • Web3.js • Ethers.js • Mocha/Chai

- Developed and audited smart contracts (DeFi/NFT) with a focus on gas efficiency and security.
- Built blockchain dashboards with React, integrating wallet auth and on-chain analytics.
- Indexed on-chain data and built APIs using Node.js for fast querying and visualization.
- Automated smart-contract and API tests with Mocha/Chai and custom harnesses.
- Built **Python** microservices (**Flask/Django**) for on-chain indexers and API backends consumed by analytics dashboards.

TECHNICAL SKILLS

- **Backend:** ASP.NET Core (C#), Node.js (Express, NestJS), **Python (Django, Flask)**, Laravel, WebSockets
- **Frontend:** React, Next.js, TypeScript, Vue, Angular, Tailwind CSS, shadcn/ui
- **Cloud & DevOps:** AWS (EC2, ECS, CloudWatch, Lambda, API Gateway), Docker, Kubernetes, GitHub Actions, Terraform
- **Databases:** PostgreSQL, **SQL Server (MSSQL)**, MySQL, MongoDB, Redis (Pub/Sub, Streams, Caching), Elasticsearch
- **Blockchain:** Solidity, Ethers.js, Web3.js, TronWeb, TronGrid, Bitcoin APIs (BlockCypher, Blockstream), Hardhat, Truffle, NFTs (ERC-721/1155), DeFi
- **Messaging/Realtime:** Kafka, RabbitMQ, Redis Streams, Socket.io

- **Security:** OAuth2, OIDC/SSO, JWT, **2FA/MFA**, OWASP Top 10, secret management
- **Testing:** xUnit, Jest, Mocha, Chai, Cypress (E2E)

EDUCATION

BBA – Accounting & Finance, Higher Institute of Commerce & Management, University of Bamenda

GPA: 3.7 / 4.0

GCE Advanced Level Technical, Longla Comprehensive College Bamenda —
GPA: 24/25

GCE Ordinary Level Technical, Longla Comprehensive College Bamenda —
GPA: 23/33

LANGUAGES

English (Fluent) • French (Fluent) • Turkish (Basic)

TOOLS & OTHERS

Git, GitHub, Jira, System Design, API Design, Agile/Scrum, Technical Documentation, Performance Optimization

References available upon request.