BENJAMIN NWEKE

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⚭ LinkedIn | GitHub

EDUCATION

Ph.D. in Energy & Petroleum Engineering (Computer Science Minor)
University of Wyoming — *Expected Dec 2026*
Relevant Coursework: Data Structures & Algorithms, Machine Learning, Blockchain in Energy

Postgraduate Certificate – AI Agents for Business Applications
University of Texas at Austin (McCombs School of Business) — *Nov 2025 – Mar 2026*

Certificate in Blockchain Engineering (CSc Blockchain)
Althash University — *2022*

B.Eng. in Chemical Engineering (First Class Honors)
Federal University of Technology, Owerri, Nigeria — *2019*

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Solidity, SQL, Bash
Backend & APIs: Node.js, REST APIs, microservices architecture
Blockchain: Ethereum, Polygon, EVM-compatible chains, Hardhat, Foundry, Ethers.js
Databases: PostgreSQL, MongoDB
Infrastructure: Docker, AWS, CI/CD pipelines, Git, Linux

PROFESSIONAL EXPERIENCE

Web3 Software Engineer

FidesInnova | Remote | Nov 2024 – Dec 2025

- Built **production blockchain services** enabling decentralized identity and onchain verification for real-world applications
- Developed **smart contracts and backend APIs** integrating blockchain workflows with existing enterprise systems
- Designed systems emphasizing **reliability, security, and developer usability**
- Collaborated with cross-functional teams to deliver **user-facing blockchain features** from design to deployment
- Conducted security reviews and code audits to ensure **production readiness**

Smart Contract Engineer

Siddha.io | Remote | Jan 2024 – Dec 2024

- Led development of **cross-chain systems** enabling real-time asset transfers across EVM networks
- Designed and implemented smart contracts balancing **security, performance, and user experience**
- Optimized protocol performance, reducing transaction costs by **15%**
- Built and maintained **well-tested production code** with **>95% test coverage** using Hardhat and Foundry

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Blockchain Engineer

Palremit | Remote | Jul 2021 – Dec 2022

- Contributed to a **consumer-facing crypto platform** supporting Ethereum, Bitcoin, and Polygon networks
- Designed backend APIs for **real-time transaction monitoring and data retrieval**
- Implemented **DevOps automation** using Docker and CI/CD pipelines, reducing deployment cycles by **30%**
- Worked closely with product, engineering, and operations teams in an **Agile environment**

PROJECTS

[TRACC](#) — Onchain Monitoring Platform

- Built a **real-time onchain/offchain system** integrating 20+ IoT data sources with smart contracts
- Designed backend services handling **10,000+ transactions per hour** with **99.5% uptime**
- Enabled real-time monitoring and analytics through reliable, production-grade pipelines

zk-D3 — Privacy-Preserving Verification Framework

- Developed a **privacy-preserving verification system** for decentralized networks
- Optimized execution paths to achieve **sub-2-second operation times** with **94%+ success rates**
- Focused on performance, reliability, and deployability in production-like environments

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LEADERSHIP & COMMUNITY

- **Vice President**, University of Wyoming Blockchain Club (2023–2024)
  Led a 50+ member technical organization; organized hackathons and developer workshops
- **Member**, Hyperledger Foundation
- **Member**, Enterprise Ethereum Alliance
- **Member**, Decentralized Identity Foundation

IMPACT SUMMARY

- Shipped **production-grade blockchain systems** used in real-world environments
- Built scalable backend services handling **high-throughput, low-latency workloads**
- Reduced system costs and deployment time through **engineering optimization and automation**