Godwin Odenigbo

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Summary

Innovative and impact-driven Software Engineer with over 5 years of proven success delivering scalable backend systems, cutting-edge cloud architectures, and pioneering blockchain solutions across global markets. Recognized for technical leadership at Sky UK, where I architected mission-critical systems supporting over 40 million users, and led platform transformations using AWS, Node.js, and machine learning. Adept at transforming complex problems into elegant, high-performance solutions, mentoring teams, and shaping the future of digital technology. Passionate about building technologies that drive user value and global impact.

Skills

Javascript, Node.js, Data Structures and Algorithms, Express.js, Typescript, Nest.js, Python, Fast API, Unit Testing, Test Driven Development (TDD), MongoDB, NoSQL, Git, SQL, PostgresSQL, React.js, Ethers.js, Web3.js, REST API, AWS, AWS Serverless, AWS Lambda, AWS SQS (Simple Queue Service), AWS Kinesis, Amazon EC2, API Gateway, Amazon DynamoDB, Amazon Eventbridge, AWS SNS, AWS CDK, AWS Cloudformation, Agile, HTML & CSS, CI/CD Pipeline, Shell scripting, Docker, Jest, Object Oriented Programming, Linux, Problem Solving, Redis, GraphQL, Team Management, Leadership Experience

Experience

Digitpay | Remote
Technical Co-Founder | 10/2024 - Present

- Spearheaded the design and development of Digitpay's backend infrastructure, ensuring scalability, security, and seamless integration with fiat banking systems for crypto-to-fiat transactions.
- Collaborated with co-founders to pivot DigitSave into Digitpay, addressing critical market challenges and redefining the user experience for spending cryptocurrency in local currencies.
- Designed and implemented APIs with Node.js facilitating secure crypto-to-fiat conversions and streamlined transfers to traditional bank accounts.
- Led Agile planning, set milestones for the MVP, and assigned tasks using Trello to manage a cross-functional team effectively.
- Worked closely with UI/UX designers to create a seamless and intuitive user interface, enhancing engagement and customer satisfaction.
- Authored comprehensive application architecture and technical documentation to guide the team and ensure scalability and maintainability.
- Contributed to Digitpay's recognition and progression in the Lisk/AyaHQ Incubator Program, with 400+ pre-launch signups.

Anambra Techies (Non-profit) | Remote
Senior Engineer & Community Leader(Part-time Volunteer) | 05/2022 - Present

- Designed and implemented scalable web platforms (community site and talent portal) using AWS and Node.js, fostering tech talent in Nigeria.
- Led technical bootcamps and mentorship sessions impacting over 1,000 aspiring engineers.
- Organized 20+ events including hackathons and workshops, advancing local tech ecosystems.

Sky Media UK | London, England
Software Engineer | 09/2022 - 09/2024

- **Led Crossdriver Cloud Migration:**
  Spearheaded the redesign and migration of Crossdriver, Sky's critical internal automation tool, into a horizontally scalable AWS infrastructure, serving 2 million daily requests with 99.999% uptime across Sky's streaming platforms like Peacock and NowTV.
  Unified fragmented Crossdriver deployments into a resilient cloud-native service using AWS Lambda, EC2, DynamoDB, and CloudFormation.
  Reduced onboarding from weeks to 15 minutes via automated CI/CD pipelines.
  Mentored junior engineers on cloud infrastructure, IaC, and containerization with Docker.
  Project recognized by Senior Engineering Management for outstanding scalability and cost optimization.

- **Architected Crosstalk (Machine Learning-Based Audio-Video Sync Tool):**
  Designed the backend for Crosstalk, a pioneering tool using ML algorithms to validate video-audio sync for Sky's video SDK, ensuring broadcast quality for over 30 million live event viewers.
  Developed ML inference pipelines using Python, Node.js, AWS Lambda, and Kinesis.
  Reduced manual video/audio QA effort by 70%, accelerating release cycles across Sky's digital platforms.
  Ensured flawless playback experiences for global events like Peacock's Wildcard matches.
- **Technical Leadership:**
  Acted as a key technical mentor within Sky, upskilling peers on serverless architecture, DevOps best practices, and scalable engineering principles.

Blocverse (Blockchain Development Company) | Remote
Backend Developer | 08/2019 - 07/2021

- Spearheaded the design and development of the backend for TixHive, a groundbreaking NFT-based ticketing platform, enabling event organizers to tokenize and sell tickets as NFTs on the blockchain.
- Architected scalable APIs and a robust web3 service for seamless interaction with the blockchain, supporting over millions of ticket sales.
- Developed and deployed smart contracts using Solidity for minting NFTs, streamlining the ticketing process and ensuring secure transactions on Opensea.
- Led the backend infrastructure, ensuring high scalability and zero downtime even with high transaction volumes, contributing directly to TixHive's financial success.
- Mentored and guided intern developers, fostering talent within the team and facilitating the growth of one intern to a full-time software engineer role.
- Supporting existing software products and making progress on new products.
- Develop and design RESTful services and APIs.
- Helped drive blockchain adoption in Nigeria, positioning Blocverse as a leader in Web3 solutions within the event industry.

Education

Middlesex University London | London, England
Bachelor's Degree in Information Technology | 08/2022

- Graduated with First Class Honors
- Graduated with a 3.7/4.0 GPA

Aptech Computer Education.
Advance Diploma in Software Engineering (ADSE) | 07/2019

- Graduated with Distinction.
- Cerificate for participating in Techwiz, Aptech students global competition.

Socials

LinkedIn Github Portfolio