

Godwin Odenigbo

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Summary

Passionate, innovative, and impact-oriented Software Engineer with more than 5 years of experience developing innovative frontend and backend systems, cloud infrastructures, and blockchain technology implementations around the world. Known as a technical leader at Sky UK for my role in designing and implementing mission-critical system architectures serving 40+ million users and subsequently executing AWS, Node.js, and machine learning based platform wide upgrades and AWS based system wide upgrades. Exceptional in problem-solving and designing sophisticated, high-performance systems, coaching, and guiding teams, and advancing the digital technology industry. Committed to designing and developing systems and services that create 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, Kafka, Kubernetes, BullMQ, RabbitMQ, System Design

Experience

Digitpay | Remote

Founding Senior Software Engineer | 10/2024 - Present

- Led the design and structural buildout of Digitpay's frontend and backend systems, focusing on scalability and security, as well as crypto-to-fiat banking system integration.
- Worked with the co-founders on the pivot of DigitSave into Digitpay to solve market problems of concern and fundamentally enhance the user flow for cryptocurrency spending.
- Created and executed plans for APIs to securely manage crypto-to-fiat transaction and subsequently, the transfer of the funds to the user's traditional bank accounts, using Node.js.
- Conducted Agile planning for the MVP, cross-functional team collaboration in task assignment via Trello, and setting achievable milestones for progress.
- In close collaboration with the designers on UI/UX, enhanced, and engaged the users with the intuitive interfaces.
- Drafted the technical and architectural documents to ensure scalability and sustainability while guiding the whole team to follow the design.
- Drove signups and awareness for the program resulting in over 400 prelaunch signups and contributing to the recognition and growth of Digitpay in the Lisk/AyaHQ Incubator Program.

Anambra Techies (Non-profit) | Remote

Senior Engineer & Community Leader(Part-time Volunteer) | 05/2022 - Present

- Developed and deployed the community site and talent portal on AWS and Node.js, helping grow Nigeria's technology workforce.
- Conducted numerous bootcamps and tailored mentorship programs for more than 1,000 engineers-in-training.
- Spearheaded over 20 local and international hackathons and tech workshops as part of Nigeria's growing technological initiatives.

Sky Media UK | London, ENG

Software Engineer | 09/2022 - 10/2024

- **Led Crossdriver Cloud Migration:**
Led the complete redesign and migration of Crossdriver, Sky's internal automation tool, to use a horizontally scalable AWS infrastructure, which now serves 2 million daily requests and achieves 99.999% uptime on streaming platforms like Peacock and NowTV.
Crossdriver's disparate deployments were consolidated into a single, robust, and cloud-native Crossdriver system using AWS Lambda, EC2, DynamoDB, and CloudFormation.
Onboarding and training now takes 15 minutes instead of weeks due to the implemented automated CI/CD onboarding processes.

Provided guidance in cloud infrastructure, containerization using Docker, and IaC to junior engineers.
Named by the project supervisor, Senior Engineering Management, for the project's exceptional scalability and cost optimization.

- **Architected Crosstalk (Machine Learning-Based Audio-Video Sync Tool):**
Developed backend for Crosstalk, a novel tool that uses ML algorithms to ensure video-audio sync for Sky's video SDK, thereby ensuring broadcast quality for over 30 million live event viewers.
Deployed ML inference pipelines using Python, Node.js, AWS Lambda, and Kinesis.
Saved 70% of manual video/audio QA effort, accelerating release cycles on Sky's digital platforms.
Provided flawless playback experiences for global events like Peacock's Wildcard matches.

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

- Directed design and development of the backend for TixHive, a pioneering NFT-ticketing platform, where event promoters can tokenize and resell tickets as NFTs on the blockchain.
- Developed scalable APIs and resilient web3 service for seamless interaction with the blockchain, processing over millions of ticket sales.
- Encoded and deployed smart contracts in Solidity for NFT minting, streamlining the ticketing process and facilitating secure transactions on OpenSea.
- Managed the frontend app and backend infrastructure with high scalability and zero downtime in spite of high volumes of transactions, contributing directly to TixHive's bottom line.
- Mentored and guided intern developers, developing talent within the team and assisting one intern in growing into a full-time software engineer role.
- Maintaining existing software products and striving towards new products.
- Design and implement RESTful services and APIs.

Education

Middlesex University London | London Information Technology

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

Aptech Computer Education.

Advance Diploma in Software Engineering (ADSE)

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

Certificates

AWS Certified Cloud Practitioner – Foundational

Social Links

[LinkedIn](#) [Github](#) [Portfolio](#)