Gabriel Alao

SENIOR SOFTWARE ENGINEER AT GABBY

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Profile

Accomplished and innovative Full Stack Software Engineer. I demonstrate a keen enthusiasm about merging blockchain with AI to drive cutting-edge solutions.

I have worked on software and smart contract products using JavaScript/TypeScript, Python, Cosmos and CosmWasm. Proficient in JavaScript/TypeScript, Vue.js, React.js, Angular, Next.js, Node.js, Nest.js, C#, .Net, Python, Flask, FastAPI, Django, Golang, Solidity, Rust, Truffle, Hardhat, Ethers.js, Web3.js MySQL, MSSQL, PostgreSQL, MongoDB, Redis, Kafka, RabbitMQ, AWS, Docker, and Git.

Got a Challenge for me? Let's code the future Together!

Experience

Full Stack Engineer | Gabby **Apr 2022 - Present**

- **Built NFT marketplace** using a modern tech stack that includes Python, TypeScript, React.js, Next.js, Node.js, Web3.js, Ethers.js, GraphQL, Redis, PostgreSQL, Docker and Kafka.
- **Developed and maintained** both RESTful and GraphQL APIs to handle marketplace functionalities and blockchain integrations.
- **Implemented responsive and interactive user interfaces** using React.js and Next.js to provide a seamless user experience for NFT trading and management.
- **Integrated Web3.js and Ethers.js** to enable interactions with the Ethereum blockchain, facilitating smart contract functionality and NFT transactions.
- **Achieved 95% test coverage** by writing comprehensive unit and integration tests, ensuring code quality, reliability, and system stability.
- **Optimized system performance** using Redis for caching and PostgreSQL for database management, ensuring scalability and efficiency.
- **Deployed containerized services** with Docker, and utilized Kafka for event-driven architecture to handle asynchronous processing and real-time updates.
- **Collaborated with cross-functional teams** to continuously release new features and improve the marketplace's core functionality.

Senior Software Engineer | Li.Fi **Jan 2021 - Dec 2021**

- **Developed and deployed** cross-chain bridge smart contracts, including CBridge, DeBridge, PolygonBridge, and Gnosis Bridge, using Solidity and Rust.
- **Created a responsive and user-friendly frontend** using Vue.js, enhancing the user experience for interacting with cross-chain bridges.
- **Built and maintained a high-performance robust backend system** using Python and Golang, ensuring efficient communication between blockchain networks and smart contracts.
- **Authored comprehensive documentation** for Li.Fi smart contracts and APIs, facilitating easier onboarding for developers and enhancing project maintainability.
- **Collaborated with cross-functional teams** to integrate decentralized applications (dApps) with cross-chain bridges, facilitating seamless asset transfers.

- **Conducted code audits,** implemented testing strategies, and optimized smart contracts for performance and gas efficiency.
- **Played a key role** in the end-to-end development lifecycle, from smart contract creation to backend infrastructure and system deployment.

Software Engineer | Hypar **Jun 2016 - Dec 2020**

- **Built a large-scale web applications** as a common data environment for collaboration of all construction projects worldwide using C#, .Net, Java Spring Boot, Node.js for backend and React, Angular, Vue.js for frontend.
- **Led a cross-functional Agile team,** managing SCRUM stand-up meetings, code review, design review and retrospectives.
- **Achieved 90%+ test coverage,** reducing bug count by 40% with comprehensive unit tests using Jest and Cypress.
- **Architected a scalable infrastructure** using AWS services, including EC2, S3, and RDS, which led to a 15% reduction in costs and improved platform reliability.
- **Designed the data model (PostgreSQL, MS SQL) and streamlined API workflows** by simplifying the API development, documentation, and testing process using Swagger toolset.
- **Focused on Java Performance tuning and applying caching solutions** like Redis and Memcached, JVM Optimization, Code Profiling, coupled with comprehensive testing strategies to ensure application efficiency and reliability.
- **Integrated 3D BIM model management** system using Three.js and synchronized workflows across multiple browsers using Socket.io.
- **Developed over 30 reusable and high-performance front-end components,** including data tables with customizable columns and hierachical rows, an interactive PDF viewer with annotation and signing features using PDFTron, a document management system with hierachical folder structure, and a drag-and-drop kanban board, among others.

Software Engineer | XCEL Corp **Jun 2014 - Mar 2016**

- **Participated in the development of a dozen of projects** in social networking, crowdsourcing, technology brokerage, healthcare, eCommerce, fintech etc using HTML, CSS, Javascript, jQuery and Java.
- **Implemented more than one thousand of pages** from Figma design into responsive JavaScript components.
- **Collaborated with the Go backend API team,** contributed to architecture design, and ensured desired client-server interaction model, data flow, and performance.
- **Closely communicated with the UI/UX design team,** ensuring the proper experience with animations, behavior, and pixel-perfect markup.

Education

University of California, Berkeley **2008 – 2013**

Bachelor’s Degree of Computer Science.

Skills & abilities

JavaScript | TypeScript | Node.js | React.js | Vue.js | EthersJS | Web3.js | Solidity | C# | .Net | Python | Flask | Redis | MySQL | PostgreSQL | MongoDB | MSSQL | Kafka | Docker | Git