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, 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 responsive user interfaces** using React.js & Next.js to ensure an intuitive and seamless user experience for NFT marketplace.
- **Designed and implemented** scalable backend architecture using TypeScript and PostgreSQL to support high-traffic NFT marketplace transactions.
- **Optimized database schemas** and queries, improving performance and reducing latency for millions of daily API requests.
- **Developed secure APIs** for user authentication, transaction processing, and wallet integration, safeguarding digital assets.
- **Implemented caching solutions** (Redis) to reduce load times and enhance platform responsiveness.
- **Utilized NodeJS and GraphQL** to create efficient APIs for both internal and external use, resulting in a 10% reduction in the time required to implement new front-end features.

Senior Software Engineer | Li.Fi   **Jan 2019 - Dec 2021**

- **Architected and maintained** backend systems to support cross-chain liquidity aggregation and decentralized finance (DeFi) transactions.
- **Developed APIs** to streamline communication between various blockchain networks, enabling seamless token swaps and transfers.
- **Integrated smart contract platforms** like Ethereum, Binance Smart Chain, and Polygon to ensure secure and efficient cross-chain operations.
- **Optimized backend performance,** significantly reducing latency for real-time DeFi transactions and token bridging services.
- **Collaborated with cross-functional teams** to ensure smooth integration of new blockchain networks and DeFi protocols.
- **Wrote backend scripts** using Hardhat Typechain & Node.js to pull, filter and process on-chain data & run mass transactions on blockchain.
- **Enhanced the scalability** of the backend infrastructure to handle increasing traffic from DeFi applications and liquidity providers.

Software Engineer | Hypar   **Jun 2016 - Dec 2018**

- **Built a large-scale web applications** as a common data environment for collaboration of all construction projects worldwide using Java Spring Boot, C#, .Net, Node.js for backend and React 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) 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 | EthersJS | Web3.js | Solidity | C# | .Net | Python | Flask |

Redis | MySQL | PostgreSQL | MongoDB | MSSQL | Kafka | Docker | Git