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Tomas Yamamoto

Senior Full-Stack/Blockchain Developer

Experienced Full-Stack & Blockchain Developer with 8+ years in scalable web, AI-driven, and blockchain platforms. Strong skills in React.js, Node.js, Python, Solidity, and cloud technologies.

Location

New York City, NY

Phone

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Email

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Skills

• Programming Languages:

JavaScript, TypeScript, Python, Solidity, Java, Go, C++

• Frontend Frameworks:

React.js, Next.js, Angular, Vue, Tailwind CSS

• Backend & APIs:

Node.js, Express.js, Django, TensorFlow, PyTorch, FastAPI, GraphQL, RESTful APIs

• Web3:

Truffle, Hardhat, Remix, OpenZeppelin, Ethers.js, Web3.js

• Cloud & DevOps:

AWS (Lambda, S3, API Gateway, SageMaker), Kubernetes, Docker, CI/CD, Git

Experience

October 2024 – Present

Senior Blockchain Engineer | Iyrix Technologies(Contract) | San Francisco, CA

- Integrated a machine learning algorithm that improved cost estimation accuracy by **15%** and reduced potential project overruns for the **National Science Foundation (NSF)**.
- Collaborated with product and development teams to increase platform efficiency by **25%**.
- Contributed to open-source blockchain projects, enhancing consensus algorithm efficiency by **15%**.
- Developing the client DApp by implementing the best UX, and deploying the site on Amazon AWS S3
- Developing the admin site using Next.js, and deploying and maintaining it on Amazon AWS EC2
- Developed FOCUS token based on the BSC network and it allows the holder of the token to vote, and earn 2% of transaction value from the marketplace.
- Participated in **5+** open-source community projects, collaborated with stakeholders, and mentored **3** junior developers.

July 2023 – September 2024

Blockchain Engineer | Amazon(Contract) | Seattle

- Donated to the development and integration of **3 new tools** into the platform.
- Automated blockchain deployment pipelines with Docker and Kubernetes, reducing release cycles by **40%**.
- Strategic and management consulting for blockchain and cryptocurrency, from ICOs to capital raises to systems design.
- Implemented clean interfaces and simple, intuitive interactions for NFT Marketplace using React, TypeScript and Web3.js
- Engineered a decentralized NFT trading platform on Solana (Anchor framework), achieving **sub-second transaction speeds** and reducing gas fees by **95%** for **5,000+ users**.
- Worked on a POC for an automation reporting tool using all open-source software utilizing ELK stack (Elasticsearch, Logstash and Kibana).
- Carried and deployed secure smart contracts on Ethereum using Solidity, optimizing **gas consumption by 20%**.

March 2021 – June 2023

Senior Full Stack Engineer | Altice USA | New York, NY

- Employed server-side rendering (SSR) with React, reducing initial page load times by **60%** and improving SEO rankings and user retention.
- Implemented **RAG architecture** using **LangChain** and **vector databases**, reducing documentation search time and enhancing customer support operations.

- **Databases:** PostgreSQL, MongoDB, DynamoDB, MySQL, Redis, IPFS, LevelDB

- **Blockchain Platforms:** Ethereum, Hyperledger Fabric, Polygon, Binance Smart Chain, Solana

- **Smart Contracts:** Solidity, Rust, Chaincode (Go/JavaScript)

- **Protocols:** DeFi, NFT, DAO, Layer 2 Scaling (Rollups, zkSNARKs)

- **Security:** Smart contract audits, Formal verification, Cryptography (Hashing, Elliptic curves)

- **Other:** WebSockets, Microservices, OAuth, JWT, Machine Learning

- Implemented a CI/CD pipeline using Jenkins and AWS CodeDeploy, automating deployments and reducing failures by **70%**.
- Operated a distributed caching layer with Redis, cutting database load and reducing response times by **40%**.
- Achieved **40% improvement** in support ticket response time and a **15% reduction** in cloud operating costs by introducing AI and architectural optimizations.
- Introduced end-to-end testing with Cypress and unit testing with Enzyme, achieving **95%** test coverage and minimizing regression issues.
- Facilitated engineering workshops on **ML integration, API security, and modern JS frameworks**.

January 2019 – February 2021

Full Stack Developer | ClassDojo | Los Angeles, CA

- Composed and maintained scalable web applications using **Next.js, Node.js, and Express**.
- Optimized frontend and backend performance, **reducing load times and enhancing user experience**.
- Designed and improved **RESTful APIs** to enable seamless communication between services.
- Managed data efficiently using SQL (PostgreSQL) and NoSQL (MongoDB) databases.
- Deployed and managed applications on **AWS (EC2, S3, Lambda)** to ensure reliability and scalability.
- Strengthened test coverage with **Jest, Cypress, and Selenium**, and implemented continuous testing strategies using TDD principles.
- Developed backend systems and payment APIs, integrating secure, PCI-compliant processing with modern UI/UX practices.
- Introduced automated unit and integration testing with **Cypress, Selenium**, and implemented CI pipelines to ensure code quality.
- Developed **Fraud Fighter** and **Social Media Auto Poster** tools utilizing **Python, Node.js, and AWS**, reducing abuse by 20% and improving engagement by 30%.

May 2017 – December 2018

Freelancer | Upwork | Location

- Built interactive and responsive UI components using React, Redux, and Styled-Components, enhancing user experience.
- Gained hands-on experience in full-stack development and Agile methodologies.

Education

LONE-STAR COLLEGE | TX

2014-2018 | Bachelor's Degree in Computer Science