

David Lozano Rodriguez

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SUMMARY

I am a Senior Full Stack Developer with over 8 years of experience building innovative, userfriendly web and mobile applications across the entire technology stack. I specialize in JavaScript/TypeScript, Node.js (Express/NestJS), React/Next.js, Angular, and Python (Django/FastAPI), with strong expertise in database design and cloud infrastructure. I have hands on experience supporting LLM development workflows, including SFT for code reasoning, RLHF, and RLMF, and have progressed from individual contributor to Pod Lead, driving quality through rubricbased reviews and actionable feedback.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript/TypeScript, Python (FastAPI/Django/Flask), Java/Spring Boot, PHP/Laravel, Kotlin/React Native, C/C++

Frontend Technologies: React.js/Next.js, Angular, Vue.js, Redux, jQuery/Bootstrap, HTML5/CSS3, Tailwind CSS

Backend & APIs: Node.js/Nest.js/Express.js, RESTful APIs, GraphQL, WebSockets, Microservices, gRPC

Databases & Messaging: PostgreSQL, MySQL, MongoDB, Redis, Kafka, RabbitMQ, Cosmos DB, SQLite

Cloud & DevOps: AWS (EC2, RDS, S3, Lambda, ECS), Azure, GCP, Docker, Kubernetes, Terraform, CI/CD (GitHub Actions, Jenkins)

Blockchain & AI: Web3.js, Solidity, Ethereum, SFT / RLHF / RLMF, LLM Training Data, Prompt Engineering, Smart Contracts

EXPERIENCE

Senior Python Developer, Turing

11/2024 – 01/2026

Tequila, Mexico

- Produced SFT training data focused on code reasoning, writing highsignal solutions and explanations aligned to model instructionfollowing, contributing to improved model accuracy.
- Contributed to RLHF pipelines by ranking and comparing model outputs with detailed preference rationales, enhancing response quality and safety across multiple evaluation cycles.
- Supported RLMF efforts for multiturn feedback by validating trajectories and refining feedback for consistency, ensuring iterative improvement of model performance.
- Conducted systematic QA of model outputs, identifying logic, compilation, runtime, hallucination, and security issues, and escalated ambiguous cases with proposed guideline updates.
- Served as Peer Reviewer, auditing submissions for correctness and reasoning quality, providing actionable feedback that raised team standards by 20%.
- Led a pod on the Cursor project, coordinating task execution, enforcing quality guidelines, unblocking contributors, and ensuring timely delivery across the team.

Sr. Blockchain Architect & FullStack Leader, Katana Inu / IBM Global Services

08/2021 – 01/2023

Remote

- Designed the architecture of the Katana ecosystem for the online RPG game market, building scalable microservices with **Node.js**, **Express**, **Java/Spring Boot**, and **Python** (FastAPI/Flask).
- Created userfriendly interfaces using **React.js**, **Angular**, **Vue.js**, and **Kotlin/React Native**, improving user experience and engagement across web and mobile platforms.
- Developed a video chat application for drone pilots using **React** and **Twilio.js**, and architected a project governance token that successfully passed Certik audit.
- Optimized database performance by writing complex queries and implementing caching with **Redis** and **Kafka** for **PostgreSQL**, **MySQL**, and **MongoDB**, cutting latency by 30%.
- Initiated multichain expansion with AI integration and developed NFTs for online game integration using **Web3.js** and **Solidity**.
- Followed Agile AI software development processes, collaborating with crossfunctional teams to deliver features on time and with high quality.

Senior Blockchain Engineer, Teahouse Finance

11/2019 – 09/2020

Taipei City, Taiwan

- Provided an easeofmind smart contract interface between UniSwap/Perpetual Protocol Curie and fund managers, enabling secure and efficient decentralized trading.
- Developed new UI/UX functionality using **PHP**, **React.js**, **Angular**, **Vue.js**, and **ASP.NET** to create a more functional user experience and boost engagement by 20%.
- Built a dApp for decentralized exchange on Ethereum with **Solidity**, **Truffle**, **React**, and **Web3.js**, handling thousands of daily transactions with high reliability.
- Worked on multiple blockchain frameworks, gaining deep understanding of their architecture and integrating Web3 components with backend services.
- Delivered highquality, welltested Web3 integrations, ensuring secure and seamless interaction with Ethereum and other blockchain networks.

Senior FullStack Software Engineer, Sam's Technology Company

08/2017 – 06/2019

Hong Kong

- Specialized in **JavaScript**, **PHP**, and **Python** frameworks including **React.js**, **Angular**, **Node.js**, **Nest.js**, and **ASP.NET**, optimizing code performance and avoiding common pitfalls.
- Improved platform resilience and performance during hightraffic events by scaling microservices, achieving 99.95% uptime during peak loads.
- Developed web applications and portals with **Python**, **TypeScript**, **HTML**, and **CSS**, integrating with RESTful APIs and GraphQL endpoints.
- Created and executed test cases in **JUnit** for unit testing, maintaining high code quality and reducing production defects by 30%.
- Collaborated with crossfunctional teams to ensure code quality and efficiency through code reviews and pair programming.

EDUCATION

Bachelor's Degree, Computer Science

2013 – 2016

University of Huddersfield