

DANIEL ROSARIO

Senior Software Engineer

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Magalang, Central Luzon, Philippines

EXPERIENCE

Senior Software Engineer

DeepRoots

01/2025 - 12/2025

- Designed and deployed full-stack architecture for a blockchain-integrated platform using React, Node.js, and Solidity, improving system scalability and reducing page load times by 40%.
- Developed and deployed smart contracts for NFT minting, staking, and gamified reward systems using Solidity and Rust, supporting over 25,000 NFT mints and \$500K+ in staked value.
- Built admin dashboards and responsive UIs with React, Tailwind CSS, and REST API integrations, enabling operational teams to reduce manual tracking time by 30%.
- Managed backend microservices with Node.js, connected to MongoDB and Redis, and deployed via AWS EC2.
- Implemented on-chain referral systems and leaderboards, increasing user acquisition by 2.1x and boosting weekly user engagement by 35%.
- Collaborated with smart contract auditors, resulting in zero critical vulnerabilities across 3 major audits, improving overall platform security.

Senior Software Engineer

TypeHuman

11/2022 - 11/2024

- Developed responsive frontends with React and Next.js for blockchain analytics and user dashboards, resulting in a 25% increase in daily active users.
- Created secure APIs using Django and Node.js to interact with smart contracts and third-party services, achieving 99.9% uptime and handling 100k+ API requests/month.
- Developed staking and reward smart contracts in Solidity for DeFi platforms, resulting in a 40% increase in total value locked within 3 months.
- Wrote Python services to parse blockchain transactions and aggregate real-time metrics, enabling dashboards with data refresh latency under 2 seconds, used by 5+ partners.
- Designed background jobs with Celery and Redis to manage off-chain indexing and events, reducing missed data syncs by 95%.
- Integrated GraphQL and REST APIs into a unified backend layer, improving frontend query speeds by 45% and cutting redundant requests by 60%.
- Built Dockerized microservices and automated CI/CD with GitHub Actions and AWS, reducing deployment times by 70% and onboarding time for new developers by 50%.

Software Engineer

Morphlabs

07/2019 - 09/2022

- Developed modular backends using Django REST Framework and FastAPI for multiple SaaS platforms, contributing to a 30% faster feature release cycle.
- Implemented real-time communication features with Django Channels and WebSockets, improving user chat latency to under 100ms, used by 3K+ concurrent users.
- Built interactive data visualizations using React, Redux, and charting libraries, improving client decision-making efficiency and increasing user satisfaction by 20%.
- Migrated legacy .NET systems to Python, leading to 2x faster performance in key processing modules and 35% reduction in server costs.
- Integrated third-party services including Stripe, Twilio, Google Maps API, and OAuth2 authentication.
- Managed database schema design and optimization for MySQL and PostgreSQL, improving query efficiency by 50% and reducing storage overhead by 20%.
- Participated in code reviews, sprint planning, and agile ceremonies, contributing to a 95% sprint completion rate and helping the team meet 100% of quarterly OKRs.

SUMMARY

Senior Software Engineer with extensive experience designing and building scalable web platforms and blockchain-based systems. Highly proficient in React, Node.js, Python/Django, Solidity, Rust, and C#. Demonstrated expertise in smart contract development, REST API architecture, microservices, and cross-platform web application delivery. Strong communication skills and a proven ability to lead remote teams, implement secure systems, and meet aggressive delivery timelines.

SKILLS

React.js	Next.js	Redux	Vue.js
TypeScript	Tailwind CSS	Material UI	
Vuetify	JavaScript		
Node.js	Express.js	Django	FastAPI
.NET Core	REST APIs	GraphQL	
Solidity	Rust	Web3	Hardhat
Anchor	Smart Contract Testing		
PostgreSQL	MongoDB	MySQL	Redis
Firebase	IPFS		
Docker	Git	GitHub Actions	AWS
CI/CD	Linux	Vercel	
Jest	Mocha	PyTest	Cypress
Postman			

EDUCATION

Bachelor of Science in Computer Science

Cavite State University

08/2014 - 06/2018 Cavite, Philippines

- Focused on Software Engineering, Web Development and algorithm.