

# David Yang

## Blockchain & Full Stack Web Engineer

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## SUMMARY

Innovative and seasoned **Blockchain Developer** with over **8 years** of extensive experience specializing in **Ethereum, Solidity, Rust, and DeFi** protocols. Proven expertise in architecting, developing, and optimizing decentralized applications and full-stack solutions. Dedicated to delivering secure, scalable, and user-focused blockchain projects that empower fintech and cryptocurrency platforms. Adept in collaborating with cross-functional teams and consistently delivering high-quality, high-performance systems that exceed client expectations.

## EXPERIENCE

### Decentralized Messaging and tokenization Platform

📅 2025 📍 remote

- Developed a customized fork of **Signal messaging application**, streamlining it by removing redundant features to enhance user experience and maintainability.
- Engineered and deployed an **ERC20-compatible cryptocurrency token**, integrating it within a proprietary decentralized exchange (**DEX**) to facilitate seamless peer-to-peer trading.
- Implemented a **cryptocurrency-based subscription model** utilizing the created token, enabling users to access premium features and services within the messaging platform.
- Ensured secure, transparent, and efficient transactions through comprehensive smart contract development, thorough testing, and optimization.

### Blockchain Engineer & Full Stack Developer | Payrius Exchange Platform

📅 09/2024 - 01/2025 📍 <https://payrius.exchange/>

- Built and launched a cryptocurrency exchange platform enabling seamless cross-blockchain token exchanges.
- White-labeled <https://changenow.io/> services into our platform by generating and managing referral keys, facilitating integration with ChangeNOW APIs.
- Implemented comprehensive API integrations to securely process cryptocurrency exchanges, delivering a seamless user experience with reliable transaction execution.
- Designed and developed responsive frontend interfaces using React.js and robust backend infrastructure using Next.js to support smooth user interactions and high performance.
- Maintained close collaboration with ChangeNow.io technical teams, ensuring seamless integration and ongoing optimization of the API services.

### Blockchain & Full Stack Web Engineer | Ondo Finance

📅 07/2023 - 08/2024 📍 New York, United States

- Architected and developed end-to-end blockchain solutions, including **liquidity pools, yield farming protocols, staking mechanisms**, and governance frameworks.
- Engineered robust, secure smart contracts using Solidity, emphasizing optimized **gas costs** and high performance.
- Built full-stack applications integrating blockchain networks, **real-time analytics, wallet integrations, and transaction management**.
- Enhanced system performance by reducing latency and implementing scalable infrastructure.

### Full Stack Web Development | Essential Designs

📅 03/2019 - 09/2020 📍 Toronto, Ontario, Canada

- Developed and launched a CRM system, improving client operational efficiency by 35% through process automation.
- Delivered real-time analytics dashboards using React.js and Node.js, enabling strategic decision-making.
- Reduced system downtime by 40% by optimizing database queries and efficient server-side processes.
- Led legacy system migration to cloud infrastructure, significantly boosting scalability and performance.

## EDUCATION

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Bachelor's degree, Computer Science

Singapore Institute of Technology

09/2013 - 09/2016 Singapore

GPA

3.8 / 4.0

## SKILLS

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### Blockchain

Ethereum Solidity Hardhat Rust ERC20 DeFi Smart Contract Layer-2 Solutions

### Frontend

React.js JavaScript Next.js TypeScript HTML CSS Tailwind CSS Responsive Design

### Backend

Laravel PHP Node.js Express.js Nest.js Flask MongoDB MySQL AWS CI/CD

### DevOps

### Specialties

Git Docker Algolia OpenAI GPT-4 GPT-4o Firebase

## LANGUAGES

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English

Proficient

