

# CHAVIS YANG

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## SUMMARY

Experienced Full-Stack Blockchain Engineer with over 8 years in software engineering and 5+ years dedicated to Web3 development. Proven expertise in building scalable Dapps, integrating smart contracts, and deploying full-stack blockchain solutions across Ethereum, Polygon, and other EVMcompatible networks. Skilled in crafting secure, responsive interfaces and robust backends, collaborating cross-functionally, and delivering measurable results. Passionate about decentralization, DeFi, NFT ecosystems, and continuous learning in blockchain innovation.

## WORK EXPERIENCE

### Dwayne

Jan 2024 - Apr 2025

Back End | Smart Contract Engineer

- Engineered a robust backend infrastructure utilizing Node.js, TypeScript, Express.js, and MongoDB, handling over 5 million daily transactions while ensuring 99.9% uptime during peak traffic periods.
- Implemented real-time chat capabilities combined with gaming features through Socket.io, enhancing communication among users and boosting user retention by 30% in three months.
- Developed an advanced AI framework for payment processing with secure token transactions, resulting in a 50% increase in transaction speed and a 25% boost in customer satisfaction.
- Devised a comprehensive authentication system using CAPTCHA, JWT tokens, and session management, synchronized with Socket.io, reducing unauthorized access by 40% within the first month.
- Created an affiliate page that enhanced referral traffic by 40%, leading to a 25% increase in sales and attracting over 100 new affiliates in the first quarter post-launch.
- Designed a ticketing system that slashed average response times from 48 hours to 12 hours, improving user satisfaction ratings by 30% within three months.

### Decent Reviews

May 2023 - Jan 2024

Back End | Smart Contract Engineer

- Crafted a user review API and automated review aggregation engine using Node.js, TypeScript, and Express.js, improving data collection efficiency by 50% for the customer support team.
- Established a badge generation engine, resulting in a 25% increase in user-generated content shared across social media, improving brand visibility and engagement.
- Integrated smart contract with Web3.js, reducing manual intervention by 60% and increasing overall operational efficiency.
- Implemented CI/CD pipelines via GitHub Actions, resulting in a 60% reduction in deployment errors and greater software reliability.
- Generated detailed API documentation with Swagger and conducted thorough API testing using Cypress and Jest, boosting developer onboarding by 40% and increasing system uptime by 15%.
- Enhanced server performance using Docker, reducing average database query times to under 200 milliseconds, thereby improving user experience and application responsiveness.

**Blockchain | Full Stack Engineer**

- Spearheaded the creation of a comprehensive DeFi ecosystem, token generation and ICO platforms, 5 play-to-earn games, 2 NFT marketplaces, and over 20 Web3 projects.
- Developed an auto DEX bot for Burn&Drop that executed trades in under 2 seconds, increasing transaction efficiency by 40% and enhancing user engagement across the platform for over 1,000 active users.
- Designed a series of robust token bridges that facilitated seamless asset transfers across five different blockchain networks, enhancing transaction efficiency and improving Cross-chain communication by 40% within the first quarter of implementation.
- Automated the integration process between React.js front-end and smart contracts using Web3.js and Ethers.js; streamlined deployment time by 60%, allowing quicker updates and feature rollouts for end users.
- Built a robust internal back-end system by synchronizing with a blockchain database using Node.js and Express.js; improved data retrieval speed by 40% while enhancing security measures across the platform.
- Rebuilt REST API endpoints with GraphQL, reducing codebase complexity by 50% and making it easier for developers to fetch only the data they needed.

**Defichain Value****Feb 2020 – Mar 2021****Blockchain Developer**

- Programmed 10 smart contracts for seamless interactions with the Value DeFi protocol; integrated liquidity pools and yield farming strategies, resulting in increased transaction efficiency by 45% and user engagement growth.
- Tested and deployed smart contracts using Truffle and Hardhat frameworks on Binance Smart Chain, achieving 100% coverage in all tests.
- Innovated a smart contract interface with Web3.js that streamlined user participation in liquidity pools and staking, resulting in an effective onboarding process utilized by 20+ teams in the organization.

**Incarta****May 2019 – Feb 2020****Full Stack Developer**

- Boosted patient treatment rates by 20% through the implementation of machine learning algorithms.
- Engineered a user-friendly interface for clinical charts using React.js and D3.js, improving data accessibility and supporting patient care during the COVID-19 pandemic.
- Built 3+ healthcare platforms using React.js, Angular, Vue.js, and Laravel (PHP framework) with Node.js, prioritizing client communication and project clarity.

**Open Agent****Aug 2017 – Apr 2019****Front End Developer**

- In an agile and collaborative environment, gathered design requirements, and conducted thorough application testing, resulting in a notable 25% increase in working speed.
- Led troubleshooting efforts, fixed more than 300+ bugs and other issues, and updated sites throughout the production lifecycle.
- Created the 100+ complex UI components using React.js / TypeScript, HTML5 and CSS3.

## EDUCATION

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### Master's in Data Science

Technological and Higher Education Institute, Hong Kong | Jul 2014 - May 2016

### Bachelor's in Computer Science

University of Hong Kong, Hong Kong | Apr 2010 - May 2014

## PROFESSIONAL SKILLS

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| <ul style="list-style-type: none"><li>• <b>Analytical &amp; Critical Thinking</b></li><li>• <b>Teamwork &amp; Collaboration</b></li><li>• <b>Organization &amp; Time Management</b></li></ul> | <ul style="list-style-type: none"><li>• <b>Cultural Awareness</b></li><li>• <b>Problem Solving</b></li><li>• <b>Multitasking Abilities</b></li></ul> |
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## TECHNICAL SKILLS

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| <ul style="list-style-type: none"><li>• <b>Blockchain &amp; Web3:</b> Ethers.js, Web3.js, Bitcoin, Hyperledger, Cryptography, Moralis, IPFS, The Graph, Chainlink, OpenZeppelin, MetaMask, Alchemy, Infura, Ganache</li><li>• <b>Language &amp; Frameworks:</b> JavaScript, TypeScript, Solidity, Solana, Rust, Python, Node.js, React, Next.js, Vue.js, Express.js, Hardhat, Truffle</li><li>• <b>Database:</b> MongoDB, MySQL, PostgreSQL, Redis</li></ul> | <ul style="list-style-type: none"><li>• <b>Cloud &amp; DevOps:</b> AWS, Docker, Kubernetes, Git, CI/CD, RESTful APIs, Agile Methodologies</li><li>• <b>Testing &amp; Tools:</b> Jest, Chai, Cypress, Postman, Swagger, Remix</li></ul> |
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