Aiden Mori

Full Stack Developer

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Portfolio
https://aidenworks.difines.io

EDUCATION

• 2012-2015
Victoria University
Bachelor of Engineering

SKILL

• Blockchain Technology
• DeFi / Dex / NFT
• Web3.js / Ethers.js
• JavaScript / TypeScript
• Python
• Cryptography
• Solidity
• React.js / Next.js
• Vue.js / Nuxt.js
• Svelte.js
• Redux / MobX / Zustand
• Node.js / Express.js
• Socket.io
• PHP / Laravel / CI
• MUI / AntD / Chakra UI
• SCSS / Tailwind CSS
• MongoDB / PostgreSQL / MySQL
• React Native
• Ionic Framework
• Flutter
• AWS
• Firebase / Supabase
• Git
• Docker
• Jest / Chai / Cypress

SUMMARY

With over 8 years of experience as a Full Stack, Blockchain Developer, I have successfully led teams of front-end, back-end, and smart contract developers at KURONURI project.

Proficient in front-end and back-end development, with expertise in React.js, Vue.js, Solidity, Node.js, PHP, and Python.

As a proficient developer, I have an extensive understanding of programming languages, frameworks, and database structures, and am skilled in analyzing and resolving intricate problems. I am highly committed to staying up-to-date with the latest technology trends and consistently delivering high-quality work, which makes me an invaluable to your team.

WORK EXPERIENCE

◉ Dwayne (Casino platform development) — Back End Engineer

Feb 2024 – June 2024, Remote

• Engineered the backend using Node.js, TypeScript, Express.js, and MongoDB, establishing a scalable and efficient infrastructure capable of handling millions of transactions per day, and implemented real-time chat and game functionalities using the Socket.io module.

• Integrated third-party payment APIs to ensure secure token deposits and withdrawals, while also utilizing AI services to enhance security and user experience by filtering user images.

• Designed and implemented robust user authentication mechanisms, including CAPTCHA, JWT tokens, and session management, while synchronizing sessions with Socket.io to maintain consistent and accurate user information across both the game and website platforms.

• Developed comprehensive affiliate page functionalities and an efficient ticketing system for user support, alongside creating advanced admin features and analytics tools to facilitate data-driven decision-making and operational efficiency.

• Employed Docker for containerization and Git for version control, collaborating effectively with frontend developers and game developers to ensure cohesive, timely project delivery, while optimizing database queries and improving system performance, reducing server response times by 30%.

◉ Decent Reviews — Back End | Smart Contract Engineer

May 2023 – Nov 2023, Remote

• Worked as a back-end and smart contract developer in an agile team communicating directly with the CTO.

• Created the user review API, automatic review aggregation engine and embeddable badge generation engine using node.js/typescript and express.js.

• Used MongoDB aggregation pipeline for review aggregation engine, and integrated with smart contract using web3.js to store the aggregation results.

• Implemented CI/CD pipeline to automate comprehensive project testing and efficient deployment processes using Github workflow actions.

• Successfully conducted thorough API testing leveraging the Cypress and Jest testing libraries, while simultaneously generating API document via the Swagger API framework.

• Effectively leveraged Docker to efficiently package, deploy, and manage applications across diverse environments, guaranteeing consistency and portability.

KURONURI — Blockchain | Full Stack Engineer

Apr 2021 – Aug 2023, Remote

• Accomplished in building a comprehensive DeFi ecosystem, Token Generation and ICO platforms, 5 play-to-earn games, 2 NFT marketplaces including over 20 Web3 projects and tools.

• Developed an automated DEX bot for Burn&Drop and a CEX bot for trading integrated with the Bitcastle CEX platform.

• Designed and developed robust token Bridges for frictionless asset transfers between blockchain networks and implemented Cross-Chain solutions.

• Leveraged Web3.js and Ethers.js to establish seamless interaction between the React.js front-end and smart contract.

• Constructed and integrated an internal back-end synchronized with the blockchain database, utilizing Node.js and Express.js.

• Utilized GraphQL API to enhance communication performance between the front-end and back-end.

• Managed the CI / CD solution for a development team using the CircleCI tool, Bitbucket, Github and AWS Lambda functions.

Defichain Value — Blockchain Developer

Feb 2020 – Mar 2021, Remote

• Created the BSC Swap and Farm Contract

• Developed the smart contracts to interact with Value DeFi protocol including liquidity pools, yield farming strategies and governance mechanisms.

• Tested the smart contracts using Truffle and Hardhat framework and deployed successfully on Binance Smart Chain.

• Integrated the smart contracts with front-end using Ethers.js and Web3.js to enable users interact with liquidity pools, stake assets and participate in yield farming opportunities.

Incarta — Full Stack Developer

May 2019 – Feb 2020, Australia

• Improved patient treatment rates by 20% through the developing and implementing of machine learning algorithms.

• Instrumental in designing and developing clinical charts using React.js and D3.js, contributed to patient care during the COVID-19 pandemic.

• Developed and delivered multiple healthcare platforms using React.js, Angular, Vue.js, with Laravel, PHP framework and Node.js while focusing on clear client communication.

Open Agent — Front End Developer

Aug 2017 – Apr 2019, Australia

• In an Agile, collaborative environment, effectively gathered design requirements, and conducted thorough application testing, resulting in a notable 25% increase in working speed.

• Leading 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 / typescript, html5, css3 and scss.

• Improved the process of storing app state info by implementing the Redux store, and successfully integrated the front-end with Rest APIs.