

DAVID PARK

SENIOR BLOCKCHAIN ENGINEER

◦ DETAILS ◦

Novi Sad
Serbia
davdpark1026@gmail.com

◦ LINKS ◦

[GitHub](#)

◦ SKILLS ◦

Typescript

Node.js

React.js

Next.js

Nest.js

Express.js

Ether.js

Web3.js

Solidity

Rust

Python

Django

Tailwind CSS

Java

Kotlin

Ruby on Rails

PHP

CI /CD

◦ LANGUAGES ◦

English

👤 PROFILE

David Park is a highly skilled professional with expertise in full-stack development, distributed computing, and **Blockchain** technologies. Driven by his passion for cryptocurrency, he has dedicated his career to **Blockchain** development, mastering the creation of decentralized applications (**dApps**) on both public and private **Ethereum** networks. **David** is not only technically proficient but also a strong team player who values clear communication and collaboration. He takes the time to thoroughly understand project goals and works meticulously to achieve them with the highest standards of quality. His sharp problem-solving skills, attention to detail, and unwavering commitment to excellence make him an invaluable asset to any team.

🏢 EMPLOYMENT HISTORY

Senior Full Stack Engineer

Independent Contractor/Remote

Mar 2024 — Current

Achievements

- Designed and implemented a **payment and NFT reward contract** utilizing the **Factory Pattern**, enabling scalable and efficient NFT distribution.
- Developed a **microservice-based NFT reward system** with **NestJS**, optimizing transaction handling and decentralized reward mechanisms.
- Contributed to the deployment of an **AMM DEX protocol** on the **Solana Network**, and built a custom **SDK** for seamless integration with **Jupiter**.
- Built a **real estate document generation platform** that intelligently scrapes data from **Redfin** and **Zillow**, streamlining property analysis and document creation.
- Assisted in the completion of an **Instagram-like event application** using **Flutter**, enhancing community engagement with interactive event sharing and discovery.

Technologies: React.js, Typescript, Next.js, Nest.js, Flutter, Web3.js, Solidity, Rust, Ethereum, Solana, Puppeteer

Senior Blockchain Engineer

Hector Network, Australia

Jun 2021 — Feb 2024 (2year 8 months)

Hector Network is a decentralized protocol based on the HEC token, complimented by the TOR stablecoin.

Achievements

- Spearheaded the development of **decentralized financial solutions** on the **Fantom Opera Network**, optimizing smart contract deployment and enhancing platform scalability.
- Designed and implemented **DeFi protocols**, including staking, yield farming, and liquidity pools, contributing to the growth and stability of the Hector ecosystem.
- Engineered **custom smart contracts** in **Solidity**, ensuring secure and gas-efficient interactions with blockchain assets.
- Led the creation of **governance mechanisms** using **ERC-20** and **ERC-721 tokens**, enabling decentralized decision-making and asset management.
- Integrated **PancakeSwap** and **LiFi** protocols to enable seamless **token swapping** and **cross-chain bridging**, enhancing liquidity and multi-chain accessibility.
- Managed **NFT marketplace development**, including minting, trading, and custom asset functionalities for community engagement.

Third-party platforms: Next.js, React.js, Tailwind CSS, Web3.js, Ether.js, Nest.js, Solidity, ERC-20

○ HOBBIES ○

Football

Hiking

Blockchain specialist

Enuma Technologies, Hong Kong

May 2019 — May 2021 (2year 1months)

Enuma Technologies is a software engineering firm with expertise covering the full blockchain spectrum.

Achievements

- Designed and implemented a **Layer 2 solution** leveraging **Merkle Trees** to enhance scalability and transaction throughput.
- Collaborated with the **OAX Foundation** to develop a prototype for a next-generation **decentralized exchange (DEX)**, focusing on seamless user experience and high security.
- Created robust **decentralized applications (dApps)** with a well-structured front-end, ensuring smooth interaction with Blockchain protocols.
- Conducted comprehensive audits of smart contracts, identifying vulnerabilities and enhancing security measures to protect transactions.
- Built scalable off-chain nodes utilizing **NestJS microservice** architecture, optimizing communication and transaction verification

Technologies: Typescript, NestJS, MongoDB, Redis, Microservice, Ether.js, Solidity, Slither

Full-stack Software Developer

NTT DATA, Singapore

Feb 2015 — May 2019 (4years 3months)

Worked on 12 responsive web applications, including BMT Mosaic and Field Sales with Desktop and Mobile device support using ReactJS and Latest React Hooks.

Achievements

- Fetch data from the backend using Qlik Sense APIs and used React Semantic UI components, written custom CSS styles to generate transitions, transformation, and user feedback effects on click/touch.
- Created a reusable complex table component using React-Table library to perform various operations like filter, sort, cell selections, resizable columns etc. 100 pixel perfect pages.
- Implemented virtualized rows in table using react-window simulating presence of high volume of data and yet loading data only when user scrolls.
- Created a web-based CRM for health insurance agents, with automated email notifications, status tracking, and specialized tools like template insurance offering
- Created an online portal for educational courses with flexible course access management (grouped access lists with tagged resource linkage). Also, the portal provides an environment for watching courses and tracking progress
- Revamped the admin and customer portals from Laravel and jQuery to React and express. Resulting in smooth user experience and 4x faster loading time

Frontend: React, Node.js, CSS3, HTML5, jQuery, Vue.js, Figma

Backend: PHP 7, Laravel, Django, Express.js, Postman, AWS, GCP, Docker



EDUCATION

Bachelor's Degree in Computer Science, National University of Singapore, Singapore

March 2011 — May 2014