Jinwoo Lee   Full Stack Engineer

Experience

Full Stack Engineer · Ion Protocol
Mar. 2023 – Mar. 2024

- Ion Protocol is an Open Source Protocol built to support Ethereum stakers and restakers.
- Developed Ion's web app for LST lenders and borrowers using NextJS, TailwindCSS, NodeJS, Postgres stack, focusing on responsive and modular layouts with support for light/dark modes.
- Implemented Viem for contract/wallet interactions
- Configured the web app to support multiple LST assets, including weETH and rsETH, and more.
- Deployed Tenderly/Anvil instance for establishing development and testing environment.
- Implemented best-practice strategies for application-wide alert capabilities, secure and seamless Metamask wallet interactions, and custom hooks for interacting with Ion's own Solidity contracts and various other miscellaneous contracts (UniswapV3, BalancerV2 contracts for leverage strategies and ChainLink's price oracle for dollar/ETH conversion).
- Built hourly accounting oracles in Golang and deployed in AWS Lambda, to monitor EL/CL Ethereum reserves for multiple LST providers (Swell, Lido, and fxETH etc) for the purpose of Proof-of-Reserve and also to monitor validators for slashing and penalties

Front End Engineer · Serko
Jan. 2023 – July 2023

- Serko is Booking.com's subsidiary company that manages the corporate travellers on the Booking.com's platform.
- Developed a design token framework to integrate Figma into Storybook and streamlining design and development workflows between the design team and the engineers.
- Upgraded Storybook to leverage MDX, enabling the use of its latest features to improve documentation, component usability, and collaborative efficiency, thereby enhancing the overall development process and team synergy.

Technology Consultant · Datacom
Nov. 2021 – Dec. 2022

- Collaborated with IAG, the NZ subsidiary of Insurance Australia Group, to develop APIs for automating insurance pricing in New Zealand, enhancing functionality and efficiency using SpringBoot.
- Proposed and implemented a Proof-of-Concept 3D interactive visualisation tool in React for Heliase, a start-up with a vision of using a 3D force-directed graph to visualise relationships between patent documents, enhancing data interpretability. for researchers.
- Employed techniques such as client/server-side caching and a particle system using NextJS, ThreeJS, and GraphQL to optimise the performance and reduce browser load for the patent visualisation tool.

Software Engineer · Clearhead
Nov. 2020 – Nov. 2021

- Clearhead is a start up that provide a self-help tools for mental health, provide wellbeing data insights to companies, and help users find therapists that best suit their needs.
- Developed the initial suite of front-end unit tests to enhance code reliability.
- Developed blue-green deployment script using Terraform to improve the robustness and uptime of the DevOps pipeline.
- Developed a wizard-style booking form for the patient booking flow, enhancing user engagement.
- Contributed to the v2 release of the marketing page and improved authentication flow in KeyCloak, ensuring a cohesive and seamless login experience.
- Created a comprehensive UI component library for the Chatbot, using StoryBook, to seamlessly integrate the Chatbot into the app.

Software Engineer Intern · Orion Health
Oct. 2019 – Mar. 2020

- Orion Health is a healthcare analytics/software provider. Contributed to the release of the v2 developer portal using VanillaJS and CSS, enhancing the platform's usability and design for improved developer engagement and resource accessibility.

📞 +64 21 672 273

✉ daniel.jnw.lee@gmail.com

📍 Auckland, New Zealand

Education

Bachelor of Computer Science
Auckland University of Technology
2018 – 2021

Skills

Strongest technical expertise:

- React/NextJS with Typescript, TailwindCSS
- Golang
- NodeJS, SpringBoot, GraphQL
- MongoDB, PostgresDB
- AWS
- ThreeJS, D3JS, WebGL/OpenGL

Certificates

- **AWS** Solution Architect Associate by AWS
- **IBM** Data Science Professional Certificate by Coursera
- **DeepLearning.AI** Tensorflow Developer Specialisation by DeepLearning.AI