

Eryn Seo

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Full-stack engineer with 2+ years of experience. Proven track record of driving project development from concept to launch as the team lead, collaborating with external teams and clients for seamless project execution. Adept at absorbing insights from senior developers and committed to guiding junior developers. Graduate of the prestigious NUS Overseas College Silicon Valley entrepreneurial program.

Work Experience

MarinaChain · Singapore · **Tech Lead** Aug 2023 - Present
Software Engineer Aug 2022 - May 2023

Early-stage, aiming for end-to-end maritime decarbonization with carbon credit NFTs & analytics platforms

- Led end-to-end Agile development cycles as Tech Lead, navigating the full lifecycle from ideation to production
- Directed a team of 4 in implementing a responsive front-end for a maritime analytics platform, leveraging Vue, Pinia, and Tailwind, facilitating a seamless transition from design wireframes to live deployment
- Implemented rigorous code review protocols and integrated CI/CD pipelines with Jenkins, along with TDD practices using Jest, achieving a 35% reduction in production defects and enhancing release frequency
- Engineered RESTful and GraphQL API integrations, both internally and with external services like AWS/Google Cloud APIs, optimizing system throughput and data integrity
- Refined relational database architecture using PostgreSQL, implementing indexing and query optimization to cut data retrieval times by 20% and scale for user traffic
- Fostered strategic partnerships with 10+ government and corporate clients, gathering requirements and spearheading collaborative efforts with Marketing & UX teams

Propel · Silicon Valley, US · **Software Engineering Intern** Jan 2021 - Dec 2021

Series C, helping companies engage value chains across product lifecycles with Salesforce-based PLM software

- Implemented, tested, and deployed back-end and front-end features for large-scale enterprise web application built on Salesforce Apex connected to a Node-based server deployed on Heroku
- Integrated Salesforce-based APIs and the Office365 platform to complement native Salesforce file storage which streamlined business processes, resulting in a 5% increase in product adoption
- Spearheaded a React migration project, transforming the legacy React front-end to Salesforce LWC framework, achieving 30% faster loading times

Education

National University of Singapore (NUS) Aug 2019 - May 2023

- Bachelor of Computing (Computer Science), Honours w/ Artificial Intelligence Focus Area; CAP: 4.52/5.00 (Distinction)
- Relevant Coursework: Natural Language Processing, Computer Vision and Pattern Recognition, Knowledge Representation and Reasoning (Top Student), Start-up Case Study & Analysis, New Venture Creation

NUS Overseas College · Silicon Valley, US Jan 2021 - Dec 2021

- Completed entrepreneurship courses at Stanford University while interning at a Silicon Valley start-up to develop technical and entrepreneurial skills
- Awarded S\$5,000 VIP grant for market validation of Metricas, a digital platform bridging tailor-grade size data with fashion e-commerce businesses

American Embassy School · New Delhi, India Aug 2009 - May 2019

- GPA: 4.35/4.58, Salutatorian; 45/45 in International Baccalaureate (IBDP; top 0.21%)
- Outstanding Student in Computer Science & English (awarded to top student annually)

Technical Skills

Programming Languages

Javascript, TypeScript, HTML/CSS, Python, Java, C/C++, PostgreSQL, MySQL, Apex (Salesforce)

Libraries & Frameworks

Vue, Pinia, React, Gatsby, Next.js, Tailwind, Styled Components, Django, Node.js, LWC (Salesforce), Auth0

Tools & Platforms

Git, GitHub, Bitbucket, Jira, AWS, Figma, Heroku, Firebase, Netlify, Vercel

Projects

Floor Protocol (fp.io)

Oct 2023 - Present

Platform that allows people to fractionalize their NFTs into micro-tokens, improving affordability and liquidity. Built with Typescript, Umi.js (React) and libraries including Uniswap SDK and GraphQL.

Flooring Lab (flooringlab.com)

Oct 2023 - Nov 2023

Landing page of Flooring Protocol, developed with Next.js and deployed with Vercel.

BizIT (Business & Computing Entrepreneurship Initiative)

Aug 2019 - Aug 2020

Spearheaded the development of Artwok, an Android app designed to foster a marketplace connecting self-employed disabled/elderly vendors with customers.

Other Skills and Interests

- Fluent in English and Korean (spoken and written); basic Spanish
- Singer-songwriter [iink](#) with globally released digital album, amateur runner, film/literature enthusiast