

Eryn Seo

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Full-stack engineer with 3+ years of experience. Proven track record of driving project development from concept to launch as the team leader, 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

- Oversaw end-to-end development as Tech Lead, navigating the full lifecycle from ideation to production, ensuring both technical robustness and business viability
- Directed a team of 4 in implementing a responsive front-end for a ship analytics web platform using Vue, Pinia, and Tailwind CSS, facilitating a seamless transition from design wireframes to live deployment
- Introduced and enforced code review practices, automated testing workflows, and continuous integration processes, resulting in a 15% reduction in production bugs and improved release cadence
- Developed internal API integrations and leveraged third-party APIs, enhancing overall system performance and reliability and data flow efficiency
- Optimized the relational database schema, reducing data retrieval times by 20% and ensuring scalability to accommodate a growing number of users
- Directly engaged with 10+ government and private clients to brainstorm and collect requirements and collaborated with Marketing & Design in UI/UX design processes

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 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 Metrics, 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, Django, Node.js, Lightning Web Components (Salesforce), Auth0

Tools & Platforms

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

Co-curricular Activities

BizIT (Business & Computing Entrepreneurship Initiative) · Project Leader

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

NUS Amplified (Live Band Music Society) · Logistics Director

Jan 2020 - Aug 2021

- Directed annual live performance, overseeing backstage operations, logistics, and sound mixing
- Led and coordinated with over six teams comprising 30+ individuals, ensuring seamless on-stage performances

Skills and Interests

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