

Skills



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Technical Leadership

I build relationships and lead initiatives across multiple teams to target cross-cutting concerns. My leadership style is asking questions based on a solid understanding of business processes and software architecture, then facilitating communication to define goals. I enjoy mentoring, with the aim of helping more junior engineers hone their skills so they can deliver projects without relying on other teams.

Engineering

Experienced with high scale, data-intensive workloads across different regions and architectures. Highly competent in web technologies such as *Node.js*, *Vue.js* & *React*. Backend expertise includes *AWS*, *Terraform*, *Java* and *SQL + NoSQL* databases.

Relevant Experience

Canva • Senior Software Engineer (Full Stack) 2022 - Current

Tech: *TypeScript, React, Java, Terraform, AWS, GraphQL, Protobuf, PostgreSQL, DynamoDB*

Role: Managed all pages on canva.com and canva.cn. These 32,590 pages receive ~30 million requests per day. Led projects to enable page experimentation and fallback mechanisms in the China region. Worked on CMS and page rendering features, syncing millions of rows of data between DynamoDB and Postgres databases and creating UIs for content managers. Implemented URL management in Canva's CMS, replacing over 10,000 hardcoded URL strings, increasing TTM and decreasing load on engineers.

Two Bulls • Software Engineer (Full Stack) 2020 - 2022

Tech: *Vue.js, TypeScript, Node.js, C#, Python, AWS, MySQL, DynamoDB*

Role: Built numerous web applications with Vue frontend and Serverless / Typescript backend, deployed with AWS. Created a framework for bootstrapping web projects at Two Bulls, which is still used today. Projects include: [KidsDoc](#) telehealth, [TheOneTwo](#) shopfront, [Victorian COVID border permits](#) (reached #3 on the app store!) and the [Release.Me](#) land sales platform.

Unico • Software Engineer (Backend) 2019 - 2020

Tech: *Java, MySQL, Python, MATRXXX, Linux, Docker, Spring*

Role: Performed database migrations (ETL) for large telecommunications vendors. Wrote *Java / Spring* applications to move databases of up to 20 million records to the *MATRXXX* in-memory database. Gained experience in data-intensive systems and concurrency, sensitive data and reverse engineering older systems.

Monash Uni Immersive Analytics Dept • Software Engineer (Research) 2017 - 2019

Tech: *JavaScript, Three.js, WebGL, Python, R*

Role: Developed a highly performant web application for 2D and 3D visualisation of protein complexes and cross-link mass spectrometry data using *Three.js* and *WebGL*.

Inquire to find out about:

UAVs, cluster computing, side projects.



Monash University
Bachelor of Computer Science