

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 (Backend) October 2021 - Current

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

Managed all landing pages on canva.com and canva.cn. On average these pages receive 30 million requests per day. Led projects to enable experimentation and fallback mechanisms in the China region. Worked on CMS and page rendering backend features, syncing millions of rows of data between DynamoDB and Postgres databases. Moved page URLs from hardcoded strings to Canva's CMS, increasing TTM and decreasing load on engineering teams.

Two Bulls • Software Engineer (Full Stack) January 2020 - October 2021

Tech: *Vue.js, TypeScript, Node.js, C#, python, AWS, MySQL, DynamoDB* Built numerous web applications with Vue frontend and Serverless / Typescript backend, including deployment using AWS services. 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) January 2019 - January 2020

Tech: *Java, MySQL, python, MATRIXX, Linux, Docker* Performed database migrations / ETL for large telecommunications vendors. Wrote *Java / Spring* applications to move databases of up to 20 million records to the *MATRIXX* in-memory database. Gained experience in data-intensive systems and concurrency, plus conducting thorough testing to secure personal data and reverse engineer older systems.

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

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