

Skills

Technical Leadership

I build relationships and pursue initiatives targeting 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 on their own.

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. Identified shortfalls in our Chinese infrastructure, established communication between the Beijing and Landing Pages teams, and delivered experimentation and fallback mechanisms in the CN 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: Delivered bespoke web applications including [KidsDoc](#) telehealth, [TheOneTwo](#) shopfront, [Victorian COVID border permits](#) (reached #3 on the app store!) and the [Release.Me](#) land sales platform. Worked with clients ranging from startups in the inception phase, to state governments to find unique solutions.

Unico • Software Engineer (Backend) 2019 - 2020

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

Role: Performed large scale database migrations (ETL) for prominent telecommunications vendors. Successfully migrated over 20 million records to the *MATRIX* in-memory database in a single day. 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.



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Monash University
Bachelor of Computer Science