



# DANIEL MASTROIRILLO

## PROFILE

### Fullstack Software Engineer | Hands-On Problem Solver

Experienced Fullstack Software Engineer with over 5 years of deep technical involvement in developing high-impact software solutions. Specializing in **hands-on problem-solving** and tackling complex technical challenges for **large-scale, user-facing features**. Adept at collaborating with **cross-functional teams** to design and implement features that significantly enhance **user experience** and **system performance**. Passionate about continuously learning new technologies to deliver **scalable, efficient, and user-centric** applications.

#### Skills

- Communication & Presentation
- Problem Solving
- Innovation
- Agile Development
- Teamwork & Collaboration
- Adaptability

## EMPLOYMENT HISTORY

### Frontend Software Engineer at Atlassian, Remote

April 2022 – January 2025

Frontend development for high-impact projects aimed at enhancing user experience with Jira. Utilized React, TypeScript, and Relay with GraphQL to contribute to the redesign of key user interfaces, focusing on improving usability and system performance across multiple user-facing features.

- Contributed to the **Bulk Operations Toolbar Project**, streamlining bulk actions for users across different views (backlog and list view) and enhancing system performance. The project resulted in a 10.6% increase in overall bulk updates and a 21.7% increase in updates from the backlog interface.
- **Developed a code mod** that dynamically generates boilerplate code for large-scale Jira field implementations. This innovation saved countless developer hours, allowing the team to meet tight deadlines with just five members.
- **Introduced inline editing functionality** to Jira's backlog interface, achieving a 60% adoption rate over the previous system and supporting over 40,000 unique users within the first week, significantly improving efficiency for teams managing large volumes of tasks.
- **Security Champion** for an agile organisation of over 20 teams, ensuring the implementation of secure coding practices, timely patching of vulnerabilities, and protecting personally identifiable information (PII).

## Senior Fullstack Software Engineer at Mighty Minds, Remote

April 2021 – December 2024

Started as a Frontend Developer at a family-owned business providing a Learning Management System (LMS) to schools across Queensland. Within 3 months, transitioned into the sole Fullstack Developer, taking full responsibility for the engineering department after the team left. Provided reliable support as a one-man engineering team for nearly 4 years, ensuring the smooth operation and continued development of the LMS platform.

- **Revamped the entire infrastructure**, saving the company over **\$1.5K in AWS costs per month** by migrating the database to an **Aurora autoscaling database**, using workflows and automation to scale the database during peak and off-peak times, and shutting it down overnight. Merged several services into a single EC2 instance using Docker containers and an internal NGINX reverse proxy to manage networks.
- **Improved performance** on the most heavily used part of the LMS platform, reducing loading times from **over 80 seconds** to under **2 seconds** by migrating to a **"Fetch as you render"** approach.
- **Introduced feature flagging capabilities**, and added **Session Replay**, enhancing the ability to manage and release features in a controlled manner and providing visibility into how users interacted with the software, enabling me to debug and resolve longstanding issues that had remained unresolved since before my time.
- **Automated Jira ticket creation from errors** grouping and prioritising errors based on frequency, improving the support process and allowing for efficient bug tracking and resolution.

## Fullstack Software Engineer at Properti, Brisbane/Remote

September 2021 – July 2022

Contributed to the development of a React-based SaaS platform used by real estate companies across Australia, as part of a small, agile team within a PropTech scale-up. Led initiatives across both frontend and backend, focusing on feature development, bug resolution, and support ticket management. Collaborated closely with the CTO to design,

plan, and deploy innovative solutions to complex problems, ensuring the platform's scalability and performance.

- **Revamped a manual process** for importing designer templates into the SaaS platform by automating the conversion of design files into usable templates. This transformation eliminated bottlenecks in a process that typically involved 2-3 people and could take weeks, reducing it to a matter of minutes.
- **Led feature implementation** from planning through to deployment, taking full ownership of delivering new functionality. Contributed to the SaaS platform's success, with real estate companies reporting significant growth, including one company achieving a Brisbane City Auction record and three suburb records. This directly supported the platform's reputation for driving business growth and engagement.

## Director/Fullstack Software Engineer at WP Opera, Remote

January 2020 – July 2022

Led the development of both a SaaS platform and bespoke applications for clients, taking full responsibility for client relations, including communications with accountants, creating Service Level Agreements, and developing presentations and case studies for client acquisition. As the sole frontend engineer, managed the development and maintenance of the frontend for both the core SaaS product and custom client applications.

- **Led frontend development** from stack ideation to delivery and deployment, including CI/CD automation for a PWA application developed for the NSW Government. The app enabled Rangers to manage state parks with minimal network connectivity, using a cache-first system that auto-syncs with the backend once a network connection is restored. This application played a key role in digitising the manual process of purchasing permits for state parks. Within 2 months, **11,432 permits** had been issued, with over **80% purchased on mobile devices**. The transaction process now takes an average of **three minutes**, and there has been a **77% reduction in permit-related fines** issued by park rangers, as reported by the NSW Government - [[Link to artical here](#)]
- **Developed the frontend** for WP Opera's core SaaS platform, enabling users to create and manage websites with a single click. The platform guided users through a flow to select templates, purchase domains, and launch a fully functional WordPress CMS website in minutes. Later, added a feature allowing users to create data scrapers that imported product information into Elasticsearch.

### CODING LANGUAGES

○ HTLM, JS/TS, CSS, React, NodeJS, GraphQL

○ Docker, CI/CD, AWS

○ MySQL, PostgreSQL, PHP

### REFERENCES

References available upon request

Daniel Mastrorillo

SOCIAL LINKS

[LinkedIn](#)

[GitHub](#)