Michael Moriarty

michael@moriarty.com.au | 0438 099 577 | Suffolk Park, NSW, 2481

Skills

- React.js
- Typescript
- JavaScript, ES6
- CSS, SASS & HTML
- Tailwind
- Bootstrap
- Styled Components
- Node.js
- Express.js
- Next.js
- Restful APIs
- Graphql
- DevOps
- Test Driven Development
- CI CD Pipelines
- UX Design
- DynamoDB
- MySQL
- Graphics - Adobe CC
- AWS Elastic Beanstalk
- AWS EC2 & S3
- AWS CloudWatch & SNS
- AWS DynamoDB
- AWS Web App Firewall
- AWS Route 53
- AWS Load Balancer
- Infrastructure as Code

Summary

Senior Front End Developer and Technical Lead with over 20 years of experience developing mission-critical, complex, large scale, cloud-based applications for the **Atlassian Marketplace**, **Australian Government**, **NSW Health**, **University** and **Sports Administration** sectors.

Proven track record as a **Team Lead** developing complex, responsive and scalable, front ends within **agile development frameworks** to deliver high-quality code on time and within budget. Proficient in **modern JavaScript (ES6), Typescript, React.js/Next.js, HTML, CSS, SASS**, **Tailwind, Styled Components**, **Node.js** and **Express.js.**

Technical skills:
- Demonstrated expertise leveraging **React/Next.js** for creating optimised web applications with server-side rendering, **static site generation**, and **dynamic routing**, **enhancing SEO** and performance while ensuring up-to-date content delivery and exceptional user experience.
- Possesses a thorough understanding of **modern React.js** and its core concepts, including **JSX**, **components**, utilising **hooks** to simplify **state** and **prop** management, **lifecycle** methods and the **virtual DOM**.
- Solid experience with **Node.js**, showcasing proficiency in building scalable server-side applications, **RESTful APIs**, and real-time services, coupled with a deep understanding of **asynchronous programming**, event-driven architecture, and backend frameworks like **Express.js.**
- Proficient with modern development tools, including **Webpack, Vite, Babel, NPM, and Yarn**.
- Strong experience working within **CI CD methodologies** and **pipelines** to automate **Test Driven Development** utilising **end to end** and **unit testing** frameworks such as **Jest, Mocha, Chai and Playwright**.
- Two decades of experience developing **modular**, **highly responsive, accessible interfaces** that deliver **exceptional user experiences** whilst adhering to **best practice usability** and **accessibility standards**.

Leadership skills:
- Two decades experience successfully leading and supporting developers to shape **positive and productive team cultures** that

- GIT / Agile
- Bitbucket
- GitHub
- Jira
- Confluence
- NPM
- Yarn
- Vite
- Docker
- Jest
- Mocha

- Chai
- Playwright
- Webpack
- Babel

- IBM Watson
- Stripe API
- Auth0
- Stats Perform API

Education

Bachelor of Multimedia
Southern Cross University
2001

Interests

Hiking, camping, music, good food, time with family and gardening.

foster **open communication**, **collaboration** and **teamwork**, **continuous learning**, **innovation** and **creativity** and **recognition** and **appreciation**.
- Ability to **evaluate tools and frameworks** to drive front end **architecture planning and design**.
- Extensive experience **collaborating with stakeholders** including product managers, designers, executives, clients and cross functional teams.
- Strong **project planning, reporting and documentation skills** with a focus on **risk assessment** and **mitigation**.

Career history

Senior Software Engineer Australian Professional Leagues (APL)
Feb 2023 – Dec 2023

Overview

Working within a nimble agile team, I lead the seamless migration of all 14 A-Leagues clubs to a new **modern, headless software platform**. My hands-on involvement was marked by a significant enhancement in performance metrics. By applying the most recent capabilities of Next.js, my contribution led to a notable **30% improvement in page loading times**. This optimisation, along with an advanced user experience strategy, resulted in a commensurate **increase in user numbers and engagement**, setting a new benchmark for the Australian A-Leagues' digital presence.

Australian A-leagues

Key Responsibilities

- Drove front-end development within an Agile environment, leveraging my commercial experience to deliver features on the **Next.js** platform with punctuality and precision.
- Utilising continuous integration and continuous delivery **(CI/CD) practices** to automate the build, test, and deployment process for **React/Next components** and applications.
- Engineered intricate UI components tailored for **Next.js**, harnessing the power of **React Hooks** for state management and effect orchestration, coupled **with JavaScript ES6+** features like **async/await** and **destructuring**.
- Utilised **TypeScript** and **Node.js** in the development and consumption of robust **APIs**, to enable modern, scalable web application architecture.

Achievements

- Implemented a scalable and maintainable UI architecture across multiple websites using **Tailwind CSS**, enabling rapid design iterations and a cohesive visual language.

- Engineered **Next.js/React.js** applications for streamlined authentication using **Auth0,** resulting in a **20% reduction in user sign-up time** and alignment with enterprise security standards.
- Conducted platform data migrations using **AWS S3 and CLI utilities,** managing over 2TB of data and transforming database schemas with zero downtime.

Senior Software Engineer at Izymes Pty Ltd
July 2020 – December 2022

Overview

As a full-stack developer, I specialised in crafting commercial applications for the **Atlassian marketplace**, utilising a robust stack comprising **Node.js, React.js**, and **TypeScript**. My primary contributions involved developing [Workzone for Bitbucket](#) and [AI Insights for Jira Service Management](#) where my TypeScript knowledge was instrumental in ensuring type-safe code and optimizing the development workflow.

Leveraging **Node.js**, I engineered a performant backend that seamlessly interfaced with **IBM Watson's Natural Language Understanding** through a custom API, which I designed and developed. This integration brought intelligent automation capabilities to the applications, enhancing their feature set with **AI-powered analytics and insights**, thereby providing a significant competitive edge in the market.

Key Responsibilities

- Attend daily stand-ups, sprint planning, and retrospective meetings to ensure timely delivery of features and functionality
- Utilized continuous integration and continuous delivery (CI/CD) practices to automate the build, test, and deployment process for React applications
- Collaborated with cross-functional teams to ensure code quality and consistency across all stages of the software development lifecycle
- Consumption of external APIs (IBM Watson & Stripe) to manage application features, subscriptions, and payment gateways
- Integrated automated testing frameworks such as Jest, Mocha, Chai and Playwright to ensure robust code quality and coverage
- Configured and maintained build automation tools such as Webpack, Babel, NPM, and Yarn to optimize the development process and improve code quality
- Utilized AWS monitoring tools to gain insights into application performance and proactively address potential issues
- Actively participated in code reviews and provided constructive feedback to colleagues to improve code quality and maintainability
- Employed a foundational understanding of UX Design principles to inform frontend development decisions, ensuring user-centric navigation and interface design.

Achievements

- Architected and implemented a sophisticated AI-driven application from the ground up, designed to autonomously aggregate and analyze customer satisfaction metrics for Jira Service Management issues. This solution employed advanced data collection techniques and leveraged machine learning algorithms to evaluate and enhance customer service experiences systematically.
- Engineered a custom payment gateway specifically for Bitbucket third-party applications, harnessing the robust capabilities of React for the frontend interface, and integrating Stripe's API for secure payment processing. This tailored solution facilitated seamless transactions, offered a user-friendly checkout experience, and provided developers with an efficient monetization channel for their Bitbucket add-ons. The implementation included designing a responsive UI that adheres to modern web standards, crafting a smooth user flow to minimize checkout friction, and establishing a reliable backend service to handle payment processing, error handling, and compliance with financial regulations.
- As a winner of Atlassian's Codegeist Hackathon 2020 award, I successfully designed and delivered a minimum viable product (MVP) for an innovative AI-powered tool that evaluated customer satisfaction. This MVP, which stood out amongst numerous global entries to secure a place in the top 8 winners, was developed within a tight timeframe of one week. The solution leverages artificial intelligence to systematically analyse customer feedback and service tickets within Jira Service Management.

Manager, Information Systems Development at Dementia Training Australia
Jan 2017 - Jun 2020 (3 years 5 months)

Overview

Technical lead, managing a multi-disciplinary web application development team that built bespoke applications, eLearning systems and websites including the [Dementia Training Australia Corporate website](#).

Key Responsibilities

- Leading and managing the development team - ensuring team members have the resources they need to complete their work.
- Developing and implementing development strategies to deliver high-quality solutions that meet the organization's goals and objectives.
- Providing technical leadership and expertise including the evaluation of the potential applicability of emerging tools and frameworks, identifying opportunities for innovation, and

ensuring that the team is utilising best practices and following industry standards.

- Collaborating with other teams such as UX/UI designers, back-end developers, and project managers, to ensure development solutions integrate effectively with other systems.

Achievements

- Lead the design, development, deployment and maintenance of a highly customized and bespoke learning management system.
- Developed the DTA corporate website and associated applications utilising enterprise-level CMS technologies

Web Manager at NSW Health
Jan 2002 - Dec 2016 (14 years 11 months)

Overview
Design, develop, deploy and maintain government standard compliant websites, corporate Intranets and web-based applications for NSW Public Hospitals, Community Health Centres, and specialist Health Services.

Key Responsibilities

- Collaborate and consult with key stakeholders to ensure public health information was easily accessible and freely available online.
- Design corporate and Intranet interfaces and navigation systems that catered for complex and large information datasets.
- Report to management and government on key performance indicators.
- Achievements
- Developed the first online recruitment system for NSW Health to vastly improve recruitment process timelines.
- Developed corporate intranet and public websites underpinned by a custom-built CMS that was accessible to non-technical staff.