

Michael Moriarty

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Skills

- Project Management
- Learning Management
- Content Management
- Agile Development
- Test Driven Development
- Stakeholder Manager
- SCORM & xAPI
- Instructional Design
- Articulate Storyline
- Articulate Rise
- Adobe Captivate
- Moodle
- Canvas
- Brightspace
- Blackboard
- LearnPress
- WordPress Dev
- SCORM Cloud
- Adobe CC
- JavaScript, ES6
- CSS, SASS & HTML
- Node and React
- PHP
- MySQL
- Restful APIs
- AWS Services
- GIT
- Bitbucket

Summary

Senior Technical Lead and Project Manager with over 20 years of experience developing mission-critical, complex, large scale, cloud-based eLearning solutions for the Australian Government, NSW Health, and University sectors.

Proven track record as a Team Lead developing complex, scalable and bespoke eLearning platforms within agile development frameworks to deliver high-quality solutions on time and within budget.

You can view a portfolio containing some of my work online at:
<https://elearning.moriarty.com.au>

Skills:

- **Project Management Expertise:** Proficient in project management methodologies (Agile, Scrum, PRINCE2). Understands project lifecycle, planning, and execution.
- **Stakeholder Management:** Extensive experience collaborating with stakeholders including product managers, designers, executives, clients, and cross functional teams.
- Extensive experience configuring and supporting modern **Learning Management Systems** to deliver engaging instructional materials whilst effectively tracking learner progress, and outcomes.
- **Risk Management:** Strong project planning, reporting and documentation skills with a focus on risk assessment and mitigation.
- **Expert level coding skills** including HTML, CSS, SASS, JavaScript, ES6, PHP and React, and other software development languages and libraries.
- Two decades of experience overseeing the development of highly responsive, accessible **instructional content** that enhances the user experience whilst adhering to **best practice usability and accessibility standards**.
- Two decades experience successfully leading and supporting eLearning developers to shape positive and productive team cultures that foster open communication, collaboration and teamwork, continuous learning, innovation, creativity, recognition and appreciation.
- Ability to evaluate the tools and frameworks that drive software architecture planning and design.

- GitHub
- Jira
- Confluence
- NPM
- Yarn
- Jest
- Mocha
- Chai
- Playwright
- Webpack
- Vite
- Babel
- IBM Watson

Career history

Product Manager - Senior Software Engineer

Australian Professional Leagues (APL)

Feb 2023 – Dec 2023

Overview

Working within a small, nimble agile team, I spearheaded the development efforts to **transition all 14 A-League clubs to a cutting-edge, headless CMS 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](#)

Achievements

Education

Bachelor of Multimedia
Southern Cross University
2001

Interests

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

References

"Michael Moriarty worked with me as a Senior Software Engineer on a complex project replatforming 14 websites onto a new code base and CMS. Throughout

- 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.
- Utilised **TypeScript** and **Node.js** in the development and consumption of robust **APIs**, to enable modern, scalable web application architecture.
- 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 (2 years 5 months)

Overview

Full-stack developer working on commercial applications for the Atlassian marketplace, developed with **Node.js React.js** and **TypeScript** including [Workzone for Bitbucket](#) and [AI Insights for Jira Service Management](#).

the project, Michael was solution-focused and came up with creative solutions as new challenges arose.

He worked collaboratively with product managers, other engineers, and UX designers to implement new features, quickly fix bugs, and improve the overall platform experience for CMS users and end-users. Michael demonstrated a strong awareness of business needs and processes and factored that into the solutions he proposed.

Michael worked quickly and efficiently and helped the organization progress a project that was previously off-track. He was vital to its success. His documentation of solutions and processes was excellent, as was the quality of his code. He has left the organization in a better position than when he started with us.

I would highly recommend Michael as a senior software engineer, and I would gladly work with him again in the future."

Tim Hodge, Manager at A-Leagues (APL)

Key Responsibilities

- Worked in an Agile environment with 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 to manage application 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

Achievements

- Developed an AI-powered application that evaluates customer satisfaction for Jira Service Management issues
- Built a payment gateway for Bitbucket 3rd party applications utilizing the Stripe API
- Winner of Atlassian Codegeist Hackathon 2020

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

Overview

Technical lead, managing a multi-disciplinary development team that built a bespoke eLearning solution for the Australian Government: [Dementia Training Australia eLearning Solution](#).

Key Responsibilities

- Mentoring and managing the development team - ensuring team members have the resources they need to complete their work.
- Developing and implementing strategies to deliver high-quality learning solutions that meet the organization's goals and objectives.
- Providing technical leadership and expertise including staying up to date with the latest technologies, 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

- Designed, developed, deployed and maintained a unique learning management system that was easily accessible to the target audience whilst remaining compliant with government standards and reporting requirements.
- Utilised Articulate Rise and SCORM Cloud API and infrastructure to deliver a standard compliant, responsive mobile first eLearning course delivery solution.
- Developed a User Dashboard tailored to the learners' areas of interest, care setting and occupation.
- Built a bespoke Course Enrolment system that allowed learners to track course progress, manage prerequisites and request extensions.
- Developed a learning accreditation and certificate management system that incorporated user feedback and surveys that were utilised in reporting and continuous improvement cycles.
- Developed the DTA corporate website and associated applications utilising enterprise-level CMS technologies

eLearning/Web Manager at NSW Health

Jan 2002 - Dec 2016 (14 years 11 months)

Overview

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

Key responsibilities

- Design and develop online learning solutions and educational content utilising multimedia authoring tools to create interactive and engaging learning experiences.
- Collaborate and consult with key stakeholders and subject matter experts to create clear and concise content, including audio, images, videos and animations.

Achievements

- Developed a Dementia Training eLearning solution which was rolled out to Health Professionals across NSW.
- Developed the first online recruitment system for NSW Health to vastly improve recruitment process timelines.