

# Andrew Ding

SENIOR SOFTWARE ENGINEER

Baulkham Hills, NSW 2153, Australia

☎ (+61) 430480963 | ✉ andrewding1982@gmail.com | in andrewding

## Summary

Results-oriented senior frontend developer with 20+ years of experience designing, developing and delivering enjoyable web, mobile and desktop products. Proficient with CSS and JS-based frameworks, with extensive knowledge of UX and user psychology. Possesses the excellent ability to read code and suggest changes to make the finished project glitch-free. Adept at contributing to a highly collaborative work environment, finding solutions and determining customer satisfaction with a minimum of supervision.

## Work Experience

### SpyderTech

Sydney

SENIOR SOFTWARE ENGINEER

July, 2022 - Present

- Designed and implemented the entire Azure infrastructure using Terraform and Azure DevOps CI/CD pipelines.
- Developed a .NET Core 6 API using Clean Architecture with CQRS and Event Sourcing, deployed on Azure App Service with Azure SQL Database.
- Led the team in building a React Native mobile app using Expo, integrating a REST API and GraphQL API with the .NET Core 6 API as the backend.
- Led the team in developing an Angular 16 frontend application using PrimeNG, integrating a REST API and GraphQL API with the .NET Core 6 API as the backend.
- Implemented authentication and authorization using Azure Active Directory B2C and Azure Identity Platform, with role-based access control.
- Implemented a CI/CD pipeline using Azure DevOps, with automated testing, code analysis and deployment to Azure App Service and Azure Container Registry.
- Implemented monitoring and logging using Azure Monitor, Application Insights and Azure Log Analytics.
- Implemented a messaging system using Azure Service Bus, with message queues and topics.
- Implemented a caching layer using Azure Redis Cache.
- Implemented a storage system using Azure Blob Storage and Azure File Storage.

### Lake Maintenance

Sydney

SENIOR SOFTWARE ENGINEER

May, 2013 - July, 2022

- Led the development of a full-stack web application using .NET 4.8 MVC and AngularJS, providing a modern HTML5 interface.
- Implemented complex business logic on the backend using .NET 4.8 and SQL Server, ensuring high performance and scalability.
- Developed and maintained the frontend using AngularJS, delivering a seamless and responsive user experience.
- Managed deployment and hosting on an on-premises IIS server, optimizing server configuration for maximum efficiency.
- Collaborated with cross-functional teams to design and implement new features, improving overall system functionality.
- Utilized best practices in software development to ensure code quality, maintainability, and security.
- Acted as a mentor for junior developers, providing guidance and support in their professional growth.

### Andrew IT Services

Sydney

DIRECTOR & SOFTWARE ENGINEER

Jan, 2017 - Present

- Led the development of a large-scale application using TypeScript and Angular, implementing best practices for maintainability and performance.
- Developed reusable components and services in Angular, enhancing the efficiency of the development process.
- Utilized React.js to build dynamic user interfaces, ensuring a seamless user experience across various devices.
- Implemented server-side rendering with Next.js to improve performance and SEO for web applications.
- Collaborated with cross-functional teams to design and implement RESTful APIs using Node.js and Express, facilitating smooth data exchange between the frontend and backend.
- Conducted code reviews and provided mentorship to junior developers, fostering a culture of continuous learning and improvement.
- Integrated third-party libraries and APIs to enhance application functionality and user engagement.
- Optimized application performance through code splitting, lazy loading, and other advanced techniques in JavaScript and TypeScript.
- Implemented unit and integration tests using Jest and Cypress to ensure code quality and reliability.

### CSC

Sydney

SOFTWARE ENGINEER

Nov, 2012 - Mar, 2013

- Implemented front-end of the web application using Angular JS.
- Responsible for the development of user interface and user experience of the web application.
- Worked with the back-end team to expose APIs and ensured that the front-end is consuming them correctly.
- Used Angular JS to build the front-end of the web application.
- Used HTML, CSS and JavaScript to create a responsive and user friendly interface.
- Implemented client-side validation using Angular JS.
- Used MVC 4 Web API to expose APIs and consumed them in the front-end.

## Electronic Mobile Pty Ltd

CO-FOUNDER & SOFTWARE ENGINEER

Sydney

Jan. 2012 - Jan. 2016

- Designed and implemented the overall architecture of the web application using ASP.NET WebForm and SQL Server.
- Developed the front-end of the web application using jQuery, HTML, CSS and JavaScript.
- Implemented the back-end of the web application using ASP.NET WebForm, SQL Server and C#.
- Worked with the team to design and implement the database schema and the data access layer.
- Implemented client-side validation using jQuery.
- Used jQuery to create a responsive and user friendly interface.

## MIA International

SOFTWARE ENGINEER

Sydney

May. 2010 - Dec. 2011

- Fix any styling issues reported by Optus and the Test Team.
- Liaise with the content team to resolve content display issues.
- Implement the redesign for the search functionality.
- Speed optimization for the first version of the site.
- Update the monthly competition page based on the design.
- Conduct User Acceptance Testing (UAT) for the website.

## Helecom System Pty Ltd

SOFTWARE ENGINEER

Sydney

Jan. 2007 - Jun. 2010

- Led a team of three in the successful development, design, construction, implementation, and support of multiple software applications/systems, ensuring high-quality deliverables and adherence to best practices.
- Consistently met all revenue goals, completed projects under budget, and adhered to all project deadlines, while also mentoring junior developers and fostering a collaborative team environment.
- Utilized Agile methodologies to streamline project workflows, enhance communication, and improve overall team efficiency.
- Conducted code reviews and implemented best coding practices to maintain code quality and reduce technical debt.
- Integrated third-party APIs and payment gateways, including PayPal, to enhance application functionality and user experience.

## Education

---

### University Of Wollongong

MASTER OF INFORMATION & COMMUNICATION TECHNOLOGY

Australia

2005 - 2006

### University Of Wollongong

MASTER OF INTERNET TECHNOLOGY

Australia

2004 - 2005

### Zhejiang University of Finance & Economics

BACHELOR OF COMPUTER SCIENCE

China

2000 - 2004