

James Jiang

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Portfolio: <https://www.james-jiang.com/>

Summary

Software Engineer with commercial experience designing, building and maintaining modern web applications, APIs and data-driven systems across frontend, backend and cloud environments.

Experienced throughout the full software development lifecycle, from requirements analysis and solution design to implementation, testing, deployment and production support.

Strong background in React, TypeScript, C#, ASP.NET Core and SQL Server, with growing expertise in AI-powered applications, workflow automation and modern software architecture. Passionate about solving real business problems through clean, scalable and maintainable software.

Technical Skills

Programming Languages: C#, TypeScript, JavaScript, Python, SQL

Frontend: React, Angular, HTML5, CSS3, Tailwind CSS, Bootstrap

Backend: ASP.NET Core, REST APIs, Authentication & Authorisation, System Integration, Node.js

Database: SQL Server, PostgreSQL, MySQL, Query Optimisation

AI & Automation: LangChain, LangGraph, OpenAI API, Google Gemini, AI Agents, Prompt Engineering, Workflow Automation

DevOps & Tools: Azure DevOps, Git, Docker, CI/CD Pipelines

Engineering Practices: Agile SDLC, Object-Oriented Design, Testing, Debugging, Refactoring, Technical Documentation

Employment History

Software Developer

JABA Web Design | Adelaide, Australia

Sep 2024 – Current

- Delivered full-stack software solutions across 30+ commercial client projects, building scalable web applications using React, Angular, TypeScript, ASP.NET Core and SQL Server.
- Designed and implemented RESTful APIs, backend services and business workflows supporting frontend applications, third-party integrations and database-driven systems.
- Developed customer-facing features, CMS functionality, reporting modules and internal business tools that improved operational efficiency and user experience.
- Optimised SQL Server performance through query tuning, indexing and database design improvements, enhancing application responsiveness and production stability.
- Automated build, deployment and release processes using Azure DevOps, Git and CI/CD pipelines, improving deployment reliability and reducing manual effort.
- Investigated and resolved complex issues across frontend, backend, databases and production environments using root-cause analysis and long-term solutions.
- Collaborated with clients, designers and cross-functional teams to analyse requirements, define technical solutions and deliver production-ready software in Agile environments.
- Explored AI-assisted development workflows, prompt engineering and agent-based automation to improve engineering productivity and streamline repetitive tasks.

Software Developer

James Anthony Consulting | Adelaide, Australia

Apr 2024 – Jun 2024

- Developed frontend components using React, Angular and TypeScript alongside ASP.NET Core backend services for CareWindow, a device and organisation management platform.
- Designed and maintained REST APIs supporting authentication, business workflows, device management and system integration.
- Assisted with SQL database design, query optimisation and performance improvements for scalable business applications.
- Participated in Agile sprint planning, implementation, testing, debugging and production support throughout the software development lifecycle.
- Collaborated with developers and stakeholders to translate business requirements into reliable software solutions.

AI Projects

LangChain AI Support Agent | Personal Project

Tech: TypeScript, LangChain, LangGraph, Google Gemini, AI Agents, Prompt Engineering

- Built an AI-powered agent capable of autonomous reasoning, tool orchestration and workflow execution using LangChain and ReAct patterns.
- Developed reusable agent architectures supporting documentation retrieval, customer support automation and ticket management.
- Explored Retrieval-Augmented Generation (RAG), conversation memory and multi-agent collaboration to improve contextual reasoning and scalability.

Education

Master of Information Technology

Flinders University | Adelaide, Australia

Jul 2021 – Jul 2023

Major: Network Systems and Cybersecurity

Bachelor of Computer's Science and Technology

Shanghai Dianji University | Shanghai, China

Key Subjects: C, C++, C#, Linux, PHP, Data Structure, Algorithms