

NATHAN YIN

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EDUCATION

Southern Institute of Technology

Invercargill, New Zealand

Master of Information Technology

Graduated in 2022

- Award: SBS Bank Award for Academic Excellence

WORK EXPERIENCES

FNZ

Auckland, New Zealand

Analyst Developer

April 2024 - Present

- Wealth Platform Development: Develop and maintain enterprise-scale investment and wealth management platform services supporting pension and financial products for global financial institutions.
- Database Performance Optimisation: Analyse and optimise complex SQL Server stored procedures, execution plans, and indexing strategies to improve performance of large financial data processing workflows.
- Production Issue Investigation: Investigate complex production issues across platform components, identifying root causes in database logic, batch processing jobs, and application services.
- Backend Service Development: Contribute to .NET-based backend services and database-driven workflows supporting core investment platform operations.
- Cross-Team Collaboration: Collaborate with analysts, QA engineers, and platform teams to deliver reliable system improvements within enterprise software development processes.
- CI/CD Integration: Participate in CI/CD pipelines using TeamCity, supporting automated builds, deployments, and environment stability.
- AI-Assisted Development: Apply AI-assisted development tools such as GitHub Copilot and Claude to support code generation, debugging, and documentation, improving development productivity in enterprise software environments.

Wuhan YINGJIA Technology Co., Ltd.

(Hybrid) Wuhan, China

Software Engineer

December 2022 – February 2024

- Innovative Product Development: Deep involvement in the design and launch of multiple online shopping systems, closely aligning with strategic business objectives and surpassing technical requirements.
- Module Enhancement: Under senior leadership, significantly enhanced functionality and user experience for several existing modules in CRM and ERP systems, resulting in a 30% boost in performance and 25% increase in user satisfaction.
- Efficiency Through Architecture: Employed advanced object-oriented programming techniques and three-tier architecture in daily tasks, enhancing operational efficiency through improved software design and deployment.
- Front-End Development Excellence: Pioneered improvements in UI/UX design through expert application of front-end technologies (HTML, CSS, JavaScript, Ajax, XML), achieving a 20% enhancement in user interface design and interaction.

Southern Institute of Technology

Invercargill, New Zealand

Academic Tutor

September 2021 - November 2022

- Curriculum Development: Developed accessible lectures and interactive course materials on complex technical topics, aligning with current industry practices.
- Skill Building: Equipped students with practical skills in C# .NET and software management tools like Git, mentoring them towards successful entry-level developer roles.
- Research Contribution: Contributed to academic journals on IT development and problem-solving, showcasing a dedication to education and continuous learning.

Guangzhou Yun Xiang Store Co., Ltd.

(Remote) Guangzhou, China

Full Stack Developer

August 2020 - August 2021

- SDLC Involvement: Engaged in the full Software Development Life Cycle, designing and implementing front-end components and integrating them with back-end systems using RESTful APIs and JSON.
- Technical Proficiency: Demonstrated proficiency in both front-end and server-side coding, specializing in database optimisation and application security.
- Configuration Management: Managed software configurations effectively using Git, emphasizing continuous learning of new technologies to improve system performance.

TECHNICAL SKILLS

- Programming Languages: C#, Python, JavaScript, SQL
- Frameworks & Technologies: .NET Framework / .NET Core, React.js, Vue.js, REST APIs
- Database Management: Microsoft SQL Server, MySQL, MongoDB, Amazon RDS
- DevOps & Version Control: GitHub, Azure DevOps, Docker, TeamCity
- Infrastructure: Linux, Windows Server, Nginx, IIS, Apache
- AI-Assisted Development: GitHub Copilot, Claude, AI-assisted debugging, prompt-driven code generation, documentation automation
- Engineering Practices: Agile, CI/CD, Domain-Driven Design (DDD), Test-Driven Development (TDD), SOLID principles