Kaiden Nguyen

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PROFILE

A software engineer with a strong interest in building scalable web applications integrated with cloud technologies. Passionate about contributing to impactful projects and solving real-world problems. Dedicated to continuous learning and delivering innovative, reliable solutions.

EDUCATION

The University of Adelaide Mar 2021 – July 2025
Bachelor of Computer Science (Data Science)

EXPERIENCE

SOFTWARE ENGINEER Sep 2024 — Present
Jung Talents *Adelaide*
- Collaborated in team on the migration of a high-traffic commercial website from .NET 8 to .NET 9, contributing to 20% improved efficiency and 25% reduced latency, enhancing customer experience and system reliability.
- Conducted comprehensive codebase analysis, designed unit test cases, and developed test plans for a commercial education platform, ensuring robust handling of complex user scenarios for both customers and platform employees
- Participated in the end-to-end deployment of several full-stack .NET web applications, integrating multiple frontend frameworks and AWS cloud services to ensure scalability, security, and seamless performance.

CREW MEMBER Sep 2022 – Present
McDonalds *Adelaide*
- Partnered with team members to deliver efficient and high-quality food service, ensuring timely order delivery and customer satisfaction.
- Coordinated with colleagues to prepare food items and manage ingredient inventory, maintaining optimal stock levels for smooth operations.
- Upheld strict kitchen hygiene and food safety standards in compliance with regulations and company protocols.

PROJECTS

FIZZBUZZ WEB APP| GitHub | *C#, .NET, JavaScript, Vite, Docker, xUnit, Jest* April 2025
- Developed a FizzBuzz web app with custom and default game modes
- Built backend using .NET; frontend with Vite-powered JavaScript
- Supported local development and Docker deployment
- Wrote unit tests for both frontend and backend

DIABETES PREDICTION WEB |GitHub | *Python, Flask, Scikit-learn, Pandas, HTML, JSON* Dec 2024
- Analysed data, trained model, tuned hyper-parameters to obtain optimal model to predict if patient has diabetes
- Created a web interface allowing users to input patients data for prediction
- Integrated Python, Scikit-learn, and Pandas to streamline ML model deployment
- Sharpened skills in web development and machine learning integration

LIBRARY MANAGEMENT SYSTEM | GitHub |*C++, SQL, Excel, Javascript, HTML* Sep 2024
- A library management system allows users to search for books, and CDs
- Created user-friendly web interface allowing users to register an account, borrow books, and return them
- Refined skills in software documentation, database design and management

TECHNICAL SKILLS

Languages: Python, C#, C++, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: React, ASP.Net Core, Node.js, Flask, Next.js, JSON, Vite
Developer Tools: Docker, Git, VS Code, AWS

CERTIFICATES — SKILLS

AWS Cloud Practitioner: Validation code - 80e5166ceff14b0aa65d0609826ff461
AWS Solution Architect Associate: In progress
Languages: English, Vietnamese, Mandarin