

# YEN KUO

Full Stack Developer | Adelaide, SA | 0435730804 | [kuoyen5@gmail.com](mailto:kuoyen5@gmail.com)  
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## PROFESSIONAL SUMMARY

Full Stack Developer with 4+ years of commercial experience delivering end-to-end solutions across web, mobile, and cloud platforms in both public and private sector environments. Strong C# / .NET background building scalable Web APIs and backend services, complemented by frontend SPA development in React. Proven experience integrating with ERP and business systems including Dynamics 365 and HubSpot. Hands-on with Azure (App Services, DevOps, AKS) and modern DevOps practices. Works directly with stakeholders to translate requirements into practical technical solutions and actively engages with AI-assisted development tooling. Committed to producing clean, well-documented, and maintainable code that aligns with architecture and governance standards.

## CORE SKILLS

Backend	C# .NET (.NET Core), VB.NET, Python / Django (REST, Celery)
Frontend	React / Next.js, TypeScript, Tailwind CSS, Bootstrap, jQuery
Databases	SQL Server, PostgreSQL
ERP / CRM	Dynamics 365, Dataverse, Power Platform (Power Apps, Power Automate, Power Pages)
Azure	App Services, AKS (Kubernetes), Key Vault, Active Directory
Integrations	Dynamics, Xero, HubSpot, SharePoint and other Restful API services
DevOps / Tools	Docker, Terraform, GitHub, Azure DevOps (CI/CD Pipelines), Elasticsearch, Redis, PowerShell
Mobile	.NET MAUI, React Native
AI Tools	Claude Code / ChatGPT / Copilot

## WORK EXPERIENCE

**Software Developer** | Department of Human Services  
Adelaide, SA

06/2025 – Present

- Delivered business system solutions on the Power Platform (model-driven apps, Power Pages, custom components), working with Dataverse to support processes across multiple business units.
- Worked closely with internal stakeholders and vendors to gather requirements, shape solutions, and ensure delivered outcomes met business needs.
- Applied software development governance practices including coding standards, secure design principles, and compliance with government policies and mentored junior developers on best practices.
- Provided Level 2 production support, troubleshooting and delivering rapid fixes while following established incident and change management processes.

**Software Developer** | JAIX Logistics Software  
Adelaide, SA

09/2024 – 06/2025

- Developed and maintained C# Web APIs across two generations — a legacy .NET Framework API and a new ASP.NET Core API — serving as the backend core for a transport management system consumed by WinForms desktop applications, a .NET MAUI mobile app, and a web portal.
- Contributed to the migration of the legacy .NET Framework API to ASP.NET Core, improving performance and alignment with modern development standards.
- Built and maintained the driver mobile application in .NET MAUI, following MVVM pattern for maintainability and separation of concerns.
- Worked with SQL Server using LINQ and EF Core, writing queries and managing schema changes and migrations as the system evolved.

- Set up Elasticsearch logging in the .NET MAUI app from scratch, enabling structured event capture, error tracking, and system diagnostics.
- Maintained and enhanced the WinForms desktop UI (C# and VB.NET) to improve UX and alignment with business requirements.
- Refactored legacy codebase to improve performance, readability, and maintainability against current development standards.

## Software Developer | Two Solutions

01/2022 – 09/2024

Adelaide, SA

- Built a Django middleware service to automate nightly synchronisation of business and financial data from HubSpot and Xero into Dynamics 365 Business Central via scheduled jobs, ensuring reliable and consistent data flow across platforms.
- Built a cloud-based seismic data archiving web portal using Django, hosted on AKS with Azure Active Directory integration for identity and access management — Department of Energy and Mining.
- Collaborated with clients to gather functional and non-functional requirements, translating them into detailed specifications for custom CRM systems.
- Collaborated with clients and developed PowerShell scripts integrated with Azure Automation Runbooks, enabling Power App-triggered automation to start and stop virtual machines on demand.
- Built and maintained a full-stack internal web application using Django and React delivering a responsive SPA backed by a robust API layer.
- Configured Kubernetes (AKS) for container orchestration and established Azure DevOps CI/CD pipelines automating build, image push, and deployment workflows.
- Provisioned cloud infrastructure using ARM templates and Terraform across Azure.

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## EDUCATION

### Master of Computing | The Australian National University

02/2020 – 11/2021

Canberra, Australia

Relevant coursework: Object-Oriented Programming, Data Structures, Relational Databases, Software Development & Management, Data Wrangling and Mining.

### Bachelor of Business Administration — Finance | Portland State University

09/2017 – 06/2019

Portland, USA

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## PROJECTS

### Personal Website — [yenkuo.org](https://yenkuo.org)

Responsive SPA site built with Next.js and Tailwind CSS, connected to a custom .NET Core Web API and a self-managed PostgreSQL database on AWS EC2.