

Kyle Le

[in LinkedIn](#) | ☎ 0404 711 829 | kyle24.com | ✉ kyletan24003@gmail.com

Summary

I am a Full-Stack Developer who enjoys tackling complex problems with AI and web technologies. Currently at Ambersoft, I work on conversational document systems and scalable applications, leveraging my experience in Python, Next.js, .NET, machine learning, and cloud deployment. I'm passionate about continuous learning and working on impactful technology.

Technical Experience

Full-Stack Developer

06/2024 - Present

Ambersoft

Sydney, Australia

- Developed an **AI-powered** web application using **Flask** and **Llama Index** for real-time conversational document querying, and **.NET API** for storing chat histories in a database, reducing search time from **5-10 minutes to under 30 seconds**.
- Utilized **OpenAI's** models to enhance document retrieval accuracy, leading to high-quality and contextual responses.
- Developed dynamic and user-friendly frontend interfaces with **Next.js, React, and TypeScript**, ensuring a seamless and engaging user experience.
- Spearheaded the deployment of the application on **AWS** using **Elastic Beanstalk, Lambda**, and **S3** with load balancing and autoscaling capabilities to handle **500% traffic spikes**, supporting growing user demand.
- **Live Demo:** Created a scaled-down version tailored to answer questions about my resume, accessible through kyle24.com via the "Resume Bot" button (or directly at about.kyle24.com)

Backend Developer Intern

08/2024 - 10/2024

Life Skills Group

Sydney, Australia

- Led the backend development for a wellbeing annual report system using **Node.js** and **Express.js**, streamlining processes and enabling data-driven insights to replace manual reporting.
- Designed and optimized **MySQL** queries to derive actionable insights from student well-being data, ensuring accurate and timely information for frontend integration.
- Collaborated with a multidisciplinary team to create a dynamic microsite, providing meaningful data visualizations.
- Ensured data integrity and efficient performance through rigorous testing and debugging of backend APIs, supporting a seamless experience for educators.

Portfolio Projects

Live Portfolio at kyle24.com: Full-stack web application showcasing technical skills through interactive demos.

Tech stack: **Next.js/React** and **TypeScript** frontend, **.NET/C#** backend, **PostgreSQL** database, deployed on **Vercel** and **Render**.

- **About Page:** Web-based presentation of my skills, experience, and education (mirroring resume content).
- **Resume Chatbot:** An interactive bot answering questions about my resume (scaled-down version of Ambersoft work).
- **OCR PDF Processor:** PDF conversion tool transforming scanned documents into searchable PDFs via **AWS Lambda**.
- **Custom FizzBuzz Game:** Interactive game allowing users to create and play personalized FizzBuzz-style games.

Additional Experience

Technology Analyst

06/2025 – 07/2025

Study NSW

Sydney, Australia

- Assessed Self-Sovereign Identity (SSI) technology for Indigenous entrepreneurs, evaluating commercial maturity and cultural considerations for verifiable credentials and business ownership verification.
- Designed strategic implementation roadmap across short, medium, and long-term phases, identifying key partners like Sovrin Foundation and uPort for community-controlled identity systems.
- Developed comprehensive tech access equity framework and Indigenous-led co-design pathway, ensuring culturally safe SSI adoption while maintaining community governance and data sovereignty principles.

Private Computer Science Tutor

02/2024 – 06/2025

Self-Employed

Sydney, Australia

- Elevated student from a novice level to achieving **1st** and **3rd** place in assignments by simplifying complex machine learning and programming concepts and providing tailored guidance.
- Designed personalized study plans and promoted critical thinking through discussions to address individual learning challenges, ensuring consistent progress and deeper understanding.

Skills

- **Programming Languages:** Python, TypeScript, C#, R, Java, HTML, CSS, SQL
- **Frameworks & Libraries:** React, Next.js, .NET, Flask, PyTorch, Scikit-Learn, Express.js, Node.js
- **Tools & Technologies:** Docker, Git, AWS, Render, Vercel, Jupyter Notebook
- **Development Practices:** Agile, CI/CD, Testing, OOP, Version Control
- **Soft Skills:** Problem Solving, Adaptability, Quick Learning, Team Collaboration

Education

Bachelor of Advanced Computing	The University of Sydney	Sydney, Australia
--------------------------------	--------------------------	-------------------

Academic Projects

- **Cell Classification:** Developed a deep learning model inspired by **VGG16** for cell classification using **PyTorch (05/2024)**
- **Data Structure Visualizer:** Developed a **Java** software for visualizing data structures **(02/2023)**
- **Unix Terminal Simulation:** Created an interactive application in **Python** that simulates a **Unix** terminal **(10/2022)**

Certifications & Achievements

- Machine Learning Specialization - DeepLearning.AI
- Microsoft Office Specialist Certificate in Excel and PowerPoint
- Dean's List of Excellence in Academic Performance