Ibrahim Sharif

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Summary:

Software Engineer with hands-on experience building containerised, API-driven systems that improve software delivery, reliability, and workflows. Delivered industry projects with Deloitte and Western Sydney University, focusing on workflow automation, secure sandbox execution, and multi-service system design using Python (FastAPI), Docker, and Linux. Skilled across end to end tech stacks and in cross-functional collaboration. Known for a growth mindset and the ability to quickly adapt to new technologies. Passionate about building high-performing, user-centric systems and automating workflows to improve efficiency, while contributing positively to community and volunteering initiatives.

Skills

- DevOps & Deployment: , Docker, NGINX, Linux, Git, container orchestration, CI/CD concepts. AWS (Cloud Practitioner – in progress)
- Full Stack & Cloud: Python, FastAPI, Node.js, Express, React, Streamlit, HTML/CSS/JavaScript, REST API design, JWT authentication
- Databases & Data Processing: SQLite, PostgreSQL, CSV/PDF/XLSX processing, Pandas
- Soft Skills: Problem-solving, cross-functional collaboration, innovation-driven thinking, project delivery

Experience:

Western Sydney University (Industry Capstone), Sydney, NSW   **July 2025 - November 2025**

Software Engineer

- Engineered the backend of a containerised automated grading platform using FastAPI, Docker, and REST APIs.
- Built a secure sandbox environment to execute untrusted code and automated the full grading workflow from submission to feedback.
- Designed the database schema (SQLite) with PostgreSQL-ready architecture and implemented JWT auth, logging, validation, and rate limiting.
- Integrated services using Docker Compose and NGINX for reliable multi-service deployment.
- Worked extensively in a Linux environment applying DevOps principles for service integration and deployment.
- Developed and delivered features using Agile (Scrum) with sprint planning, stand-ups, and iterative releases.

Result: Delivered an end-to-end system that replaced manual marking with instant automated feedback; accepted by sponsor after live demonstration.

Tech: Python, FastAPI, Docker, NGINX, SQLite, SVN, Linux, JWT

Deloitte Australia (Industry Project, WSU), Sydney, NSW   **March 2025 - June 2025**

Software Developer

- Designed automated data processing workflows that replaced manual spreadsheet analysis with rule-based classification and reporting pipelines.
- Implemented document ingestion for PDF, CSV, and Excel with rule-based financial classification.
- Developed dashboards for expense breakdown, risk flags, and downloadable reports.
- Created a review engine to identify high-risk claims and suggest missing deductions.

Result: Delivered an end-to-end prototype that replaced manual spreadsheet reviews with an interactive analysis tool for consultants.

Tech: Python, Streamlit, Pandas, PDF processing, CSV/XLSX handling

Education:

Western Sydney University, Sydney   **March 2023 – Dec 2025**

Bachelor of Computer Science

- Achieved High Distinction in key courses including Professional Experience, Distributed Systems & Programming, Artificial Intelligence.
- Relevant coursework: Formal Software Engineering, Project Management, Database Design & Development, Data Structures and Algorithm, Systems Programming, Object Oriented Programming

Projects:

Practice Interview AI   **May 2025 - August 2025**

- Built an AI-powered interview practice platform using Python, Streamlit, and OpenAI API.
- Implemented dynamic question generation, answer evaluation, and automated feedback.
- Applied prompt engineering and NLP concepts to simulate realistic interview interactions.
- Tech: Python, OpenAI API, Streamlit, HTML/CSS, JSON

Supplier Risk Pulse   **Jan 2026 – Feb 2026**

- Built a full-stack procurement risk dashboard using React and Node.js to analyse supplier and invoice data from CSV uploads.
- Implemented an explainable risk scoring model (0–100) based on late deliveries, invoice delays, single-source dependency, and contract exposure.
- REST APIs for CSV ingestion, validation, analytics, and dashboard data delivery with searchable supplier insights and KPI views.
- Tech: React, Node.js, Express, CSV parsing, REST APIs, JavaScript, HTML/CSS