

DANIEL CHEN

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SKILLS

Frameworks/ Libraries	Angular & Next.js (Typescript), Spring Boot (Java), Django (Python), Scikit-learn
Tools	Git, Octopus Deploy, TeamCity (CI/CD), Jira, Cursor (AI IDE)
Other Skills	Agile, Scrum, Solutions Architecture
Certifications	Amazon Associate Developer, Secure Code Warrior - Appsec Champion
Spoken Languages	English (Native), Mandarin (Conversational), Cantonese (Conversational)

WORK HISTORY

Software Engineer Bankwest / Commonwealth Bank of Australia Feb 2021 - Current

- Developed instant "on-upload" Naive Bayes machine learning model within Java Spring Boot that lifted auto-categorisation recall (true-positive) rates of critical bank documents from 42.7% up to a rate of 90%. This led to a significant decrease in reliance on back-office manual categorisation while maintaining optimal user experience. This achievement subsequently resulted in a nomination for a national individual excellence award at my parent company.
- Designated as "Stream Lead" on developing Bankwest's first LLM powered broker chat application with a deadline of two months (fastest greenfield project in bank history). The role involved interfacing with an external engineering team to align on technical details and architecture, as well as leading the team to consume the streamed LLM output to a Java Spring Boot API and subsequently forwarding SSE Events to be consumed by an Angular Frontend.
- Technical Owner on two internal tools that automated the tracking of tech health and lead time to change metrics for hundreds of systems bankwide. This allowed technology executives to easily find reporting on the health of their systems through a UI interface.
- Developed 3 key learning initiatives for 30+ technology graduates including organising a monthly talk from a senior technology colleague, a central document to describe bankwide technologies and being a founding member of a software engineering book club
- **Awards:** Hack Day Winner (2024), National Individual Excellence Award Nominee (2024)

HPC IT Officer DownUnder Geosolutions Jan 2018 - Oct 2019

- Diagnosed and repaired networking and performance issues with underperforming High-Performance Computers in the 600+ node machine room

PROJECTS AND OTHER WORK

LLM based Chinese Reading Application  <https://language-learning-app-ui-production.up.railway.app/>

- LLM powered Chinese Language Learning Application (Next.js, React, Python) that generates streamed chinese learning material, pronunciation and translations for the user's exact level based on previously known vocabulary.
- Developed real-time asynchronous LLM request strategy with python asyncio to serve per word and per sentence Chinese to english translations at a reasonable response time (20-30s total response time).

EDUCATION

Bsc Computer Science/ Finance UWA University of Western Australia - GPA: 6.1/7.0


- *Volunteering Activities:* TEDxUWA Head of Events/ Communications, English for Refugees Tutor, UWA Basketball Club Events Manager, WAUC Charity Consultant

Graduate Diploma of Cyber Security Curtin - GPA: 7.0/7.0 Discontinued

Upper Intermediate Mandarin Course Taiwan Language Institute

REFERRALS

Ujjwal Sharma Staff Engineer (Technical Lead) - Bankwest

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