

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, Figma (Basic)
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 that categorised critical bank documents at a rate of up to **90%**. This led to a significant decrease in reliance on back-office manual categorisation while maintaining optimal user experience. This achievement led to a subsequent nomination for an individual excellence award.
- 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 API and subsequently to 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 (FY1 2024), National Individual Excellence Award Nominee (FY1 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

LLM based Chinese Reading Application  TBD URL

- Developed (Next.js, Django & Ollama), designed and marketed LLM powered Chinese Language Learning Application based on Stephen Krashen's theory of Comprehensible Input. The app serves hundreds of users weekly.
- Developed Asynchronous LLM request strategy with asyncio and SSE Streaming Solution to be able to serve per word and per sentence Chinese Translations to up to x users at a 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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