

Felix Kang

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[Felix on LinkedIn](#) • [Github](#) • [Portfolio](#)

PROFESSIONAL PROFILE

Experienced IT developer with 2+ years of experience in designing, developing, and deploying scalable, highly available, and secure applications using the Software Developer Life Cycle. Proficient in writing high-quality, efficient code using object-oriented methods. Strong problem-solving abilities and a fast learner who thrives in dynamic work environments. Proven track record of implementing new optimization techniques and utilizing the latest frameworks to significantly improve web speed and enhance user engagement.

EDUCATION & QUALIFICATIONS

Master of Science in Information Technology | The University of Melbourne – Melbourne, AU | Mar 2021 – Dec 2022

Bachelor of Science in Computer Science | University of Arizona – Tucson, US (GPA 3.5/4.0) | Jan 2017 – May 2020

PROFESSIONAL & TECHNICAL SKILLS

Programming Languages: **Java, Python, JavaScript**

Development Frameworks: **Spring, FastAPI, RESTful, React.js**

Various Technical: **Git, Docker, Kubernetes, DevOps, AWS, CI/CD**

Databases: **PostgreSQL, MySQL**

Various Professional Skills: **Agile Methodology, Cross-Functional Collaboration, Project Management, Problem-Solving, Communication, Adaptability, Attention to Detail**

EMPLOYMENT HISTORY

JUNIOR SOFTWARE ENGINEER

Barnet(Jade.io) – Sydney, Australia | November 2023 – Present

- Participate and contribute to the open source project alcina, according to the Jade project requirements, refactor the Alcina code, make Alcina more perfect.
- Responsible for maintaining the code of the company's main project named Jade, and developing the back-end for several other projects.
- Tasks include creating APIs to integrate data from other projects, facilitating program and database interactions, enhancing CI/CD processes, and completing automated testing. Deployed applications using Docker to Kubernetes.

Key Achievements:

- Updated and optimized the Jade ingest legislation logic, making the project's legislative content more comprehensive and accurate.
- Completed the backend work for AIJA and successfully integrated its data with the Jade project, ensuring successful project delivery.
- Participated in the Delambre project, creating a tool that successfully parses DOCX documents, ensuring the parsed documents conform more closely to legal formatting standards.

JUNIOR SOFTWARE ENGINEER

ItemTube – Melbourne, Australia | Dec 2022 – Nov 2023

- Collaborated closely with a team of 6 developers to design and develop the robust back-end operations of a web project in the customer resource management system. Utilized Python, FastAPI/RestAPI, PostgreSQL, SQLAlchemy, Docker, and Kubernetes to build scalable and efficient API interfaces, ensuring seamless integration with the front-end.
- Performed extensive testing of the back-end, identifying and resolving bugs to enhance overall performance and user experience. Implemented CI/CD processes to automate project deployment, resulting in increased efficiency and streamlined workflows.
- Succeeded in designing and writing efficient, maintainable code while adhering to coding standards and best practices. Contributed actively to team brainstorming sessions, problem-solving obstacles, and ensuring successful project completion.

Key Achievements:

- Designed and developed a Python-based web project using FastAPI to efficiently manage the company's business operations, resulting in a 50% increase in productivity.
- Optimised the web project using the latest frameworks and implemented new optimisation techniques to improve web speed by 20%.
- Collaborated with cross-functional teams to implement new features and functionalities, resulting in an enhanced user experience and improved customer satisfaction.

KEY IT PROJECTS

JADE: Comprehensive Legal Research Platform | Dec 2023 – Present

- Technology: Java, Docker, AWS
- Optimized the ingest logic by using Selenium to traverse state legislative websites, identifying and recording all important legislative information.
- Responsible for daily project maintenance, fixing multiple defects, and implementing new features.
- Website: <https://jade.io/>

National Domestic and Family Violence Bench Book: Central Resource for Judicial Officers Legal Issues | Jun 2024 – Sep 2024

- Technology: Java, Springboot, Postgres, Docker, K8S, Next.js
- Integrated and converted over 500 legal issue DOCX documents, storing them in the database. Transformed them into the AKBN format and displayed them on the webpage.
- Designed a storage solution to facilitate future document updates and iterations..
- Website: <https://dfvbenchbook.aija.org.au/>

Delambre: A tool for converting and storing DOCX documents. | Oct 2024 – Present

- Technology: Java, Springboot, Postgres, Docker, K8S, CI/CD
- Created 'Do Job Now,' an innovative job management system that streamlined order management and effectively scheduled staff workload.
- Responsible for backend functionality development, including account permission design, main business functions, time zone design, and automated deployment.
- Successfully integrated third-party software such as Stripe, Xero, Clicksend, and AWS S3, overcoming integration limitations in FastAPI.
- Developed Customer, Inquiry, Quotes, Job and Invoice boards that improved company productivity by 40%.
- Website: <https://go.dojobnow.com/>

CLUTCH JOBBER: JOB MANAGEMENT SYSTEM | Dec 2022 – Present

- Technology: Python, FastAPI, PostgreSQL, SQLAlchemy, Docker, Kubernetes, Git, CI/CD, VUE.js
- Parsed DOCX documents, including footers, images, and videos, and stored them in the database, ensuring the documents conform more closely to legal formatting standards.
- Integrated Jade data to enable the document content to parse and generate links to Jade articles.
- Enhanced CI/CD processes and completed automated testing to make the project more robust. Wrote Docker files and deployed the project to Kubernetes.

Takeout Application | Jul 2022– Jan 2023

- Technologies: SpringBoot, MyBatis-Plus, AWS S3 EC2, MySQL, Redis, Docker, Spring, Git, Jenkins, CI/CD
- Develop a takeaway software with a user-friendly interface for customers to easily view and order products. Additionally, create a backend management interface for merchants to manage dishes and monitor customer orders, enhancing the efficiency of the ordering process.
- Utilize the SpringBoot framework to design and implement the backend. Employ MyBatis-Plus to manage the MySQL database in AWS RDS and optimize performance through a master-slave database configuration.
- Develop versatile and user-friendly APIs to streamline functionality. Incorporate Redis caching to improve program throughput.
- Utilize Docker to create a Docker Compose file for streamlined deployment. Deploy the application on AWS EC2, ensuring uniformity across the Linux system for simplified and automated deployment.