

David Luu

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EXPERIENCE

- LIXI.** Intern. Aug 2024 - Present
- Conducted in-depth research on **12 key data standards** related to the loan process in the banking industry.
 - Reviewed and analyzed the application of LIXI standards in real-world scenarios within the **Australian banking** sector.
 - Mapped complex data capture processes into the LIXI data model, handling intricate details in **JSON** and **XML** files comprising over **100 fields**.
 - Published an interactive tutorial to **guide users** on effectively working with LIXI data standards.
- Citizendev.** Software Engineer. Jan 2023 - Aug 2024
- Managing outsourced projects using no-code platforms (such as **FlutterFlow** and **Bubble.io**) and **Javascript**.
 - Leading a team** of 2 developers and 1 UX/UI designer, while **maintaining close communication with clients**.
 - Delivered 7 projects** to date with the utmost satisfaction from clients, comprising **30% of total company revenue**.
- Teko.** Data Engineer Nov 2021 - Feb 2022
- Participated in end-to-end engineering solutions for data processing and data delivery and integration using **Pyspark, Airflow, and MinIO**.
 - Ingested, extracted and transformed raw data from an Inhouse Big Data System to create Dim/Fact/Cube tables for publishing services. Each table may exist in the size of up to **100 million rows**.
- Metric.** Backend & Data Developer Feb 2021 - Nov 2021
- In charge of the backend development team of 3 developers for an **autonomic crawling** and **analyzing data** platform from Asian E-commerce Websites to provide information for shop owners.
 - Implemented a data pipeline automated with **Crontab** and optimized with **RabbitMQ** (faster than **20 times** after the undertaking), designed and built an API system using **Flask** and a Database system using **MongoDB**.
 - Handled **3,000,000+ records** of products daily through the process of crawling and analysing. Gained **100+ users** from the launch day.
- ICTS.** Backend Developer Intern Dec 2020 - Feb 2021 (Intern)
- Implemented backend services using **Django**, and **Poetry framework**. Developed with Test Driven Development method using **Pytest**, **Circle CI/CD**. Participated in designing and modelling database with **PostgreSQL**.
 - Participated in developing **2 projects**: a live-streaming platform and a construction management platform.

EDUCATION

- University of Technology Sydney** Sydney, Australia
Master of Information Technology. WAM: 92.75 / 100. Dean's List 2024. Feb 2023 - Dec 2024
- University of Engineering and Technology**
Bachelor of Information Technology. Grade: Distinction Sep 2017 - Oct 2021

SKILLS

- Database engines: SQL (PostgreSQL, MySQL, SQL Server), No SQL (Elasticsearch, MongoDB, Firebase).
- Programming languages: Python, C++, C#, Java, Javascript, Bash, Swift, PHP.
- Library/Framework: Flask, Django, NextJS, Pandas, Numpy, Airflow, Pyspark, RabbitMQ, Scikit-learn, Pytorch.
- Tools: AWS Cloud (EC2, S3, IAM, Lambda), Git, Crontab, Linux-based OS (Ubuntu, CentOS), Docker, Jira.

PROJECTS

- MemuAI.** [UTS Techfest 2024. Wisetech winner](#) Jun 2024
Application bridged the gap for people with muteness disabilities. Built and implemented Sign Language Detection deep learning model using **Yolov5**, **RTMPose**, and **3DCNN**.
- Datamates.** [Submitted to Open D/I Hackathon](#) Nov 2023
A data solution that allows users to control, share, and monetize personal data. Deployed **supabase** (**PostgreSQL** engine) for secure data storage, and employed **Python** scripts on **Azure servers** for automated 24-hour data processing.

CERTIFICATES

- Fortinet Certified Fundamentals & Associate Cybersecurity. Issued By: Fortinet.
- IBM Data Engineering Specialization. Issued By: IBM.