JUHWAN(JUSTIN) LEE

CONTACT INFO

📞 +61493319306

✉️ ausjustin12@gmail.com

🏠 80 Park RD Homebush 2140 NSW

🌐 https://www.linkedin.com/in/dataausjustin/
https://www.juhwanjustinlee.com

PROFILE

Through my academic and project experiences, I've learned the value of combining strong technical fundamentals with effective team collaboration. From building serverless ETL pipelines on AWS to leading cross-functional teams on construction sites, I've developed a mindset focused on efficiency, resilience, and continuous improvement. I take pride in writing clean, maintainable code and proactively solving problems—skills I am eager to bring to a professional software engineering environment where I can contribute and grow.

Work Eligibility: Currently on a Student Visa with permission to work up to 24 hours per week during academic terms. From September 2025, I will be on a Post-Study Work Visa with full-time work rights and **no requirement for employer sponsorship.**

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript (Node.js, React)
Data Engineering: ETL/ELT Pipelines, Batch & Stream Processing, Data Modeling, Data Transformation
Workflow Tools: CI/CD, Git
Databases: PostgreSQL, MySQL, Redshift, Apache Cassandra, NoSQL
Cloud & Infra: AWS (Lambda, S3, EC2, RDS, Redshift), Docker, Infrastructure as Code (IaC)
Visualization: pandas, Matplotlib, Seaborn, Plotly

IT EXPERIENCE

AI Business Analyst SEP 2025 ~ Present
Ausbiz Consulting · Internship · Remote
- Defined business requirements through stakeholder engagement
- Designed PoC and iterative prototypes with v0.app & LLM tools
- Applied data validation, KPI tracking, and ROI analysis
- Delivered reports and demos bridging technical and business teams

Cancer Data Analyst (Python) JAN 2025 ~ FEB 2025
Ausbiz Consulting · Internship · Remote
- Extract valuable insights through in-depth analysis of cancer datasets.
- Enhance data exploration, visualization, and interpretation skills to communicate findings effectively.
- Provide data-driven recommendations for improving healthcare strategies.
- Evaluate data analysis technologies including PostgreSQL, Google Colab, and Generative AI.

EXPERIENCE

Marketing & Sales Assistant JUNE 2024 ~ SEP 2025
CM medical · Part-time · On-Site

International student leadership and ambassador SEP 2025 ~ Present
City of Sydney · On-Site

Team Supervisor JUNE 2024 ~ SEP 2025
YH interior · Contractor · On-Site

Operations Clerk / Squad Leader AUG 2019 ~ MAR 2021
Republic of Korea Army Aviation Command · Full-time · On-Site

EDUCATION

Bachelor of Information Technology OCT 2024 ~ Sep 2026 (Expected)
Victoria University(Sydney Campus)
• Major: Web and Mobile Application Development

Diploma of Information Technology OCT 2023 ~ SEP 2024
Victoria University(Sydney Campus)

Bachelor of Flight Vehicle Design and Engineering OCT 2018 ~ JULY 2022
Harbin Institute of Technology(Harbin, China)
Completed two academic years with a two-year gap due to mandatory military service.

IT PROJECT

UrSaviour: Grocery Discount Assistant MAY 2025 ~ Present
Team Leader, Data Engineering, Full-Stack for Product Page
Tech stack: Python, SQL, AWS (Lambda, EC2, S3, RDS), MySQL, ETL, REST API, HTML/CSS/JS
• Designed and deployed an automated ETL pipeline using AWS Lambda, S3, and RDS to transform unstructured PDF data into queryable formats.
• Built scalable backend infrastructure using EC2 and S3, ensuring low-latency data retrieval.
• Implemented RESTful APIs to support frontend integration, demonstrating full-stack understanding.
• Applied software development best practices including version control (Git) and CI/CD workflows.
• Aligned project delivery with Agile sprints and cross-functional team planning.

Cancer Data Analyst (Python) JAN 2025 ~ FEB 2025
Tech stack: Python, PostgreSQL, Jupyter Notebook, Google Colab, pandas, Matplotlib, Seaborn, Plotly
• Analyzed 1.7M cancer records with Python/SQL, identifying tumor patterns and survival rates. Offered strategic insights to improve treatment outcomes.

Cloud Data Warehouse with AWS Redshift JUN 2025
Tech stack: Python, AWS (S3, Redshift, IAM), SQL, ETL, Infrastructure as Code(IaC)
• Built a data warehouse on Amazon Redshift for a music startup. Developed a Python ETL pipeline using IaC for data integrity. Improved query performance with a star schema model.

Data Modeling with Apache Cassandra MAY 2025
Tech stack: Python, Apache Cassandra, ETL Pipeline
• Designed and built a Python-based ETL pipeline to process and consolidate user activity data from a directory of CSV files for a music streaming app.
• Modeled data by creating a query-optimized Apache Cassandra (NoSQL) database designed to answer specific analytical questions about user song plays.
• Successfully migrated distributed raw data into a structured, queried, database, establishing an efficient foundation for the analytics team to perform their analysis.

MANAGEMENT PROJECT

Melonba Education Campus MAY 2024 ~ FEB 2025
Window & Door Installation Supervising and coordinator

Concord High School Upgrade APR 2025 ~ SEP 2025
Window & Door Installation Supervising and coordinator

I am excited to contribute to a forward-thinking engineering team where I can apply my hands-on experience with cloud-based systems, data pipelines, and collaborative problem-solving. I am confident in my ability to grow quickly and deliver impact in real-world software environments.