RAYMOND HALIM

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CAREER PROFILE

- Driven and solution-oriented Master's student in Data Science at University of Technology Sydney, with a strong foundation in applying machine learning frameworks, data engineering, and statistical analysis.
- Operational Intelligence Intern at SafeWork NSW, conducting quantitative analytical research on regulatory effectiveness and recidivism rates, producing insights-driven research reports to support decision-making.
- Experienced in utilising AWS services as a Junior IT Support & Data Analyst for data collection, analysis, and storage, increasing operational efficiency by more than 60%.
- Identified manual workflow inefficiencies, proposing and implementing automation solutions to improve data processing and availability.
- Certified in cloud computing (3 AWS certifications).
- Seeking data science-focused internship or part-time role to leverage my strong problem-solving and analytical skills, while learning from senior professionals to further expand my expertise.

EDUCATION

Master of Data Science and Innovation   *Feb 2025 – Dec 2026*
University of Technology Sydney, Australia   *(expected)*
- UTS Academic Excellence International Scholarship

Bachelor of Computer Science (Big Data)   *Oct 2021 – Sept 2023*
University of Wollongong, Australia – Singapore Institute of Management, Singapore
- Awarded with Distinction
- Weighted Average Mark (WAM): 78.5

Diploma in Information Technology   *Oct 2020 – Sept 2021*
Singapore Institute of Management, Singapore
- GPA: 3.813 / 4

EMPLOYMENT

Operational Intelligence Intern   *Mar 2025 – Present*
SafeWork NSW, Sydney, Australia
- Conduct quantitative analysis on various factors affecting regulatory effectiveness and identify trends
- Produce a research report integrating intelligence analytics to support operational intelligence objectives

Junior IT Support & Data Analyst   *July 2019 – Jan 2025*
PT Berkat Jaya Pangestu, Indonesia
- Developed an automated cloud-based invoice processing solution, incorporating data cleaning, extraction, and storage, enhancing operational efficiency by more than 60% and ensuring timely data availability. (Tech Stack: AWS S3, Lambda, Glue Databrew, Athena, Python)
- Managed IT infrastructure, providing technical support and troubleshooting for hardware and software issues
- Handled invoice processing and financial data analysis to optimise expenditures
- Managed stakeholder communication and efficiently coordinated transactions with suppliers

Achievements:
- Proposed cloud-based solution was implemented, transitioning from manual processes to digital workflows
- Entrusted as the Person in Charge within a team of 5 for decision-making and leadership responsibilities when required

SKILLS

- **Programming Languages**: Python, R, Java, C++, C#, Go, JavaScript, ReactJS
- **Machine Learning Frameworks**: PyTorch, TensorFlow, Scikit-Learn, Keras
- **Data Visualisation & Analytics**: Matplotlib, Seaborn
- **Big Data ETL**: PySpark, Hadoop, AWS Glue
- **Database Management Systems**: SQL, MongoDB, Oracle
- **DevOps**: AWS, Terraform, Docker, Kubernetes, Helm, GitHub, Jenkins, Grafana, Prometheus
- **Languages**: English (IELTS-7.5), Bahasa Indonesia (Native), and Chinese (Limited Working)

PROJECTS

Blockscout (Self Project) *Sept 2024 – Sept 2024*

- Configured Helm Chart to deploy Blockscout, incorporated an indexer, scalable API server with Horizontal Pod Autoscaler (HPA) and Blockscout Web UI
- Created a Jenkins CI pipeline to streamline packaging and deployment of Helm Charts reducing deployment time by 40%
- Gained expertise in deploying blockchain explorers and deep insights into EVM chains and their interactions
- Tech Stack: AWS RDS, EKS, Terraform, Kubernetes, Jenkins

DeepPurple *Apr 2023 – Sept 2023*

- Collaborated closely with 5 other members in development of a web application analysis software
- Designed and developed software analysing uploaded Customer Service audio recordings and generating real-time transcriptions, providing insights for enhancing customer experience and agent performance
- Tech Stack: Spring Boot, React.js, Tailwind CSS, GPT-3 API, Google Speech-to-Text API, AWS RDS, S3, Elastic Beanstalk, Amplify

Research Conference Management Application *Oct 2022 – Nov 2022*

- Built a Research Conference Management System supporting four different user types
- Tech Stack: PHP, HTML, CSS, MySQL

EXTRACURRICULAR ACTIVITIES

Member Feb 2025 - Present

UTS BUILD (Beyond UTS International Leadership Development)

- Participating in programs to foster global leadership and collaborate across diverse cultural backgrounds

Student Ambassador *Sept 2022 – Sept 2023*

Singapore Institute of Management (SIM)

- Led and facilitated groups of 10 individuals, maintaining discipline and fostering an organised environment
- Strengthened proficiency in public speaking, engaging groups of crowds with diverse backgrounds

CERTIFICATIONS

- AWS Certified Data Engineer - Associate *Oct 2024*
- AWS Certified Developer - Associate *Aug 2024*
- AWS Certified Cloud Practitioner *Aug 2024*

REFEREES

Available upon request