

RAYMOND HALIM

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CAREER PROFILE

- Driven and solution-oriented student pursuing a Master's in Data Science at University of Technology Sydney, with a strong foundation in applying machine learning frameworks, data engineering, and statistical analysis.
- Certified in cloud computing (3 AWS certifications).
- Experienced in utilizing AWS services as a Junior IT Support & Data Analyst for data collection, analysis, and storage, increasing operational efficiency by more than 60%.
- Demonstrated initiative and creative problem-solving skills in identifying manual workflow inefficiencies, proposing and implementing solutions to improve data processing, availability, and transition to automated workflows.
- Seeking internship or part-time opportunities in data science field which will allow me to leverage my strong problem-solving skills and analytical skills, while learning from seniors 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

Junior IT Support & Data Analyst *July 2019 – Jan 2025*
PT Berkas 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)
- Built a Python-based financial summary search tool, reducing processing time by more than 40%
- Managed IT infrastructure, providing technical support and troubleshooting for hardware and software issues
- Handled invoice processing and financial data analysis to optimize expenditures
- Demonstrated strong teamwork and leadership skills in making decisions and offering guidance
- 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, Java, C++, C#, R, Go, HTML, CSS, PHP, JavaScript, ReactJS
- Machine Learning and Deep Learning Frameworks: PyTorch, TensorFlow, Scikit-Learn, and Keras
- Big Data frameworks: PySpark, Hadoop
- Cloud Computing: Amazon Web Services (AWS)
- DevOps Tools: Terraform, Docker, Kubernetes, Helm, GitHub, Jenkins, Grafana, Prometheus
- Database Management Systems: SQL, MongoDB, Oracle
- 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

Ethereum Contract Deployment and Indexing (Self Project)

Sept 2024 – Sept 2024

- Developed an ERC20 contract indexer to track USDT activities on Ethereum blockchain and applied stress test solutions to evaluate impacts on network resources during ERC20 token transfers and NFT minting
- Integrated Prometheus and Grafana to monitor contract activities and resource utilization, improving response time by 30% through early anomaly detection
- Tech Stack: Python, Solidity, Ethereum Blockchain, Prometheus, Grafana

DeepPurple

Apr 2023 – Sept 2023

- Collaborated closely with 5 other members in development of a web application analysis software
- Designed and developed software analyzing 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

- Participating in programs to foster global leadership skills and promote intercultural understanding

Student Ambassador

Sept 2022 – Sept 2023

Singapore Institute of Management (SIM)

- Led and facilitated groups of 10 individuals, maintaining discipline and fostering an organized 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