

RAYMOND HALIM

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PROFILE

Certified cloud computing professional with a Bachelor's degree in Computer Science (Big Data) from University of Wollongong. Experienced in managing and optimizing cloud infrastructure, with expertise in applying machine learning frameworks, containerization and CI/CD tools. Proven track record of deploying scalable cloud solutions, demonstrating initiative and creative problem-solving skills while continuously evolving skillsets to stay ahead of emerging industry trends.

PROFESSIONAL EXPERIENCE

IT Technician

July 2019 - Present

PT Berkas Jaya Pangestu, Indonesia

- Developed an automated cloud-based solution for processing invoice files, incorporating data cleaning, extraction, and storage, which enhanced operational efficiency by more than 60%, ensured timely data availability, and significantly streamlined workflows
(Tech Stack: AWS S3, Lambda, Glue Databrew, Athena, Python)
- Developed a Python-based financial summary search tool, reducing processing time by more than 50% and improving workflow efficiency by 60%
- Provides technical support and troubleshooting for hardware and software issues while managing and maintaining the organization's IT infrastructure
- Handled invoice processing and analyze financial data to optimize expenditures
- Actively directed managerial responsibilities such as making decisions and providing guidance
- Handled stakeholder communication and facilitated transactions with vendors efficiently and effectively

Student Ambassador

Sept 2022 – Sept 2023

Singapore Institute of Management, Singapore

- Led and managed crowds by maintaining discipline and fostering a well-organized environment
- Developed proficiency in public speaking, effectively engaged groups of crowds with diverse backgrounds

PROJECTS

Portfolio Website (Self Project)

Feb 2024 – Present

- Developed a personal portfolio (<https://raymondhalimm.github.io/Website-Portfolio/>)
- Tech Stack: React.js, Tailwind CSS

Blockscout (Self Project)

Sept 2024

- Implemented a Helm Chart to deploy Blockscout, incorporated an indexer, scalable API server with Horizontal Pod Autoscaler (HPA) and Blockscout Web UI
- Created and executed a Jenkins CI pipeline for automating the 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

- Developed an ERC20 contract indexer to track USDT contract activities on Ethereum blockchain
- Created and deployed ERC20 and ERC721 contracts, and implemented stress test solution to evaluate impacts on network resources during ERC20 token transfers and NFT minting

- Implemented 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

April 2023 – Sept 2023

- Collaborated closely with 5 other members in the development of an analysis software
- Designed and developed a web application software that analyzes uploaded Customer Service audio recordings and generates real-time transcriptions using Google's speech-to-text API, 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 that supports four different user types, System Admins, Conference Chairs, Reviewers, and Authors
- Tech Stack: PHP, HTML, CSS, MySQL

EDUCATION

Bachelor in 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

SKILLS

- Programming Languages: Java, Python, 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)

CERTIFICATIONS

- [AWS Certified Data Engineer - Associate](#) Oct 2024
- [AWS Certified Developer - Associate](#) Aug 2024
- [AWS Certified Cloud Practitioner](#) Aug 2024