

# 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

### PT Berkat Jaya Pangestu

July 2019 - Present

#### IT Manager

- Developed an automated cloud-based solution for processing invoice files, incorporating data cleaning, extraction and storage, which enhance operational efficiency by more than 60%, ensure timely data availability and significantly streamlined workflows
- Developed a Python-based financial summary system, 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, including servers, networks, and systems.
- Actively directed managerial responsibilities such as making decisions and providing guidance
- Handled stakeholder communication and facilitated transaction with vendors efficient and effectively
- Handled invoice processing and analyze financial data to optimize expenditures

### Blockscout (Self Project)

Sept 2024

- Develop and launched AWS services including, RDS, Elastic Kubernetes Service (EKS) utilizing Terraform
- 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, Terraform, Kubernetes, Jenkins

### Ethereum Private Testnet (Self Project)

Sept 2024

- Implemented a private Ethereum network using Kurtosis, configuring multiple Geth nodes to simulate a controlled testing environment
- Tech Stack: Ethereum Blockchain, Kurtosis, Geth

### 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

### Singapore Institute of Management

Sept 2022 – Sept 2023

#### Student Ambassador

- Developed proficiency in public speaking, effectively engaged group of crowds with diverse backgrounds
- Bolstered leadership competencies include, maintaining and managing crowd disciplines

## PROJECTS

### Portfolio Website (Self Project)

Feb 2024 – Present

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

### 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, AWS S3, AWS Elastic Beanstalk, AWS 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

## SKILLS

- Languages: Java, Python, C++, C#, R, Go, HTML, CSS, PHP, JavaScript, ReactJS, Tailwind CSS
- Cloud Computing: AWS with hands-on experience in managing and optimizing cloud infrastructure
- DevOps Tools: Terraform, Docker, Kubernetes, Helm, GitHub, Jenkins, Grafana, Prometheus
- Blockchain Technology: Basic understanding of blockchain principles, Ethereum, Optimism, smart contracts
- Machine Learning algorithms and Deep Learning frameworks: PyTorch, TensorFlow, Scikit-Learn and Keras
- Big Data frameworks: PySpark, Hadoop
- Database Management Systems: SQL, MongoDB, Oracle
- Languages: English, Bahasa Indonesia, Chinese, and Hokkien

## CERTIFICATIONS

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

## EDUCATION

### University of Wollongong Australia – Singapore Institute of Management (SIM)

Oct 2021 – Sept 2023

- Bachelor in Computer Science (Big Data)
  - Awarded with Distinction
  - Achieved Weighted Average Mark (WAM) of 78.5

### Singapore Institute of Management (SIM)

Oct 2020 – Sept 2021

- Diploma in Information Technology
  - GPA: 3.813 / 4