

Steve Jevon Rahardjo

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EDUCATION

Monash University Malaysia

Bachelor of Computer Science in Data Science

Subang Jaya, Selangor

Feb 2023 — Nov 2025

- Relevant Coursework: Data Structure and Algorithm, Data Management and Warehousing, Data Modelling, Computation Theory, Data Analytics, Data Visualization, Object-Oriented Programming, App Development in Android, Big Data Processing, Discrete Math, Continuous Math, Microeconomics

Monash College

Diploma of Higher Education Study in Information Technology

Subang jaya, Selangor

feb 2021 — Nov 2022

WORK EXPERIENCE

Data Analyst Trainee in CDP Team

SynergyXYZ

Nov 2024 — Feb 2025

Puchong Jaya, Selangor

- Evaluated and maintained 20+ Customer Data Platform (CDP) vendors, analyzing features, pricing, and integration capabilities.
- Contributed to defining service offerings and solution positioning within the CDP team.
- Assisting in client research and compiling proposal decks for 3 different client.
- Authored early-version of CDP platform SDK and workflow documentations for internal use.

VOLUNTEER EXPERIENCE

Website Admin

PPI Monash Malaysia

July 2024 — Nov 2025

Subang Jaya, Selangor

- Implement daily maintenance and error debugging of the Wordpress website.
- Plan and executing total revamp of PPI Eunoia Wordpress website.
- Publishing multimedia contents according to org schedule and implement events registration form.

PROJECTS

Patent Analyzer Python, Django, OpenAI, TogetherAI, QdrantDB, Selenium

- Built an end-to-end patent analysis platform using TRIZ principles and LLM reasoning to extract structured insights from raw patent documents.
- Designed and implemented a hybrid RAG pipeline (vector search + prompt engineering) using QdrantDB for semantic retrieval.
- Developed automated data ingestion pipeline (BeautifulSoup, Selenium) for large-scale patent text extraction.
- Implemented Chain-of-Thought prompting strategies to improve classification accuracy and reasoning quality.

Deneb - Finance App Python, Golang, TanStack Router, Typescript, PostgreSQL, Google ADK, YOLO, React, Better-Auth

- Built a full-stack expense tracking platform using React (Shadcn UI) and TanStack Router, delivering a modular and responsive frontend architecture.
- Designed and implemented email OTP authentication (client/server) using Better-Auth for secure user access.
- Developed a Golang backend with RESTful APIs to handle financial data processing and persistence in PostgreSQL.
- Structured and maintained scalable API architecture, adapting endpoints as features and data models evolved.
- Integrated a multi-agent, multimodal AI system (Google ADK) communicating with backend services via API.

- Built a YOLO-based receipt preprocessing pipeline for image cropping and cleaning prior to storage and inference.
- Versioned, deployed, and monitored ML models using MLflow, ensuring reproducibility and tracking performance.

Big Data File Processing of IoT Data PySpark, Kafka, Zookeeper, MongoDB, Matplotlib

- Designed and implemented a real-time streaming pipeline using Kafka (3 producers) for IoT data ingestion.
- Built PySpark processing layer for transformation, enrichment, and anomaly detection using custom UDFs.
- Modeled and implemented a MongoDB data warehouse schema with optimized upsert strategies.
- Enabled event-driven visualization using MongoDB change streams and Matplotlib.
- Delivered a scalable pipeline for continuous ingestion, processing, and analysis of streaming data.

GitAegis — CLI Secret Scanner Golang, Cobra, Tree-sitter, Git

- Implement CLI tool to detect secrets and API keys through entropy calculation method.
- Integrate `tree-sitter` for optimized and accurate code structure and entropy calculation.
- Built configurable scanning via CLI flags and `.toml` configuration.
- Generated structured JSON outputs and automated `.gitignore` updates to prevent secret leaks.

TECHNICAL SKILL

Languages: Python, Java, Golang, SQL, R, TypeScript, HTML.

Developer Tools: Wordpress(CMS), Git, Docker, Kafka, Spark, Huggingface, Github Action, MongoDB, QdrantDB.

Libraries/Framework:Matplotlib, Pandas, Flask, Google ADK, BeautifulSoup4, ScikitLearn, XGBoost.