

ABDULLAH ZAID

Software Engineer



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CAREER OBJECTIVE

Software Engineer at Gamuda Technologies. Focused on mastering large-scale orchestration and cloud-native architecture to build the next generation of resilient, automated SaaS delivery systems.

SKILLS

Primary Skills:

Python, Javascript, Lua, Golang, Terraform, Docker, Kubernetes

Analytics & Visualization Tools:

MS-Excel, Power BI, Seaborn, Pandas, Looker Studio, Tableau

Database:

MySQL, PostgreSQL

EXPERIENCE

October 2025 – Current
Damansara Perdana



Senior Software Engineer

Gamuda Technologies

- **Architecting Infrastructure:** Architected the foundational SaaS environment using **Terraform** and GCP, establishing the core cloud standards for the entire delivery team.
- **Container Orchestration:** Designed and managed **Kubernetes (GKE)** clusters to automate the deployment, scaling, and operations of cloud-native applications via **Jenkins** CI/CD pipelines.

Oct 2024 – Jul 2025
Australia (Remote)



Business Analyst (Contract)

Pickwick Group

- Draft and manage tender submissions under contract, crafting competitive proposals that align with RFP specifications and procurement guidelines.
- Streamlined Pickwick Group's tech migration by mapping critical workflows and capturing key business requirements.
- Engineered process blueprints and requirement specs to accelerate seamless tech adoption.

May 2019 – Sept 2024
Kuala Lumpur



Senior Survey Programmer

InsightzSurvey

- Lead developer for the scripting team. Architect the core codebase using **Lua** and **JavaScript**, implementing Agile methodologies for project management.
- Engineered survey scripting, design, and analysis workflows, slashing development time 40% and elevating client satisfaction 25%.
- Deployed hundreds of custom online surveys annually through Alchemer, achieving a 98% data accuracy rate and improving response rates through intuitive logic enhancements.

PROJECTS

2025
Capstone Project



SuriCare: AI-Powered Childcare Companion Website

- Developed full-stack web application using Vue.js to enable all carers to log child data and spot early symptoms (e.g., ear infections or asthma signs) via integrated AI monitoring and alerts.
- Built FastAPI backend interfacing with Supabase (PostgreSQL) for efficient data pre-processing, encoding, and imbalance handling, supporting real-time symptom tracking across community users.
- Integrated Gemini API and LangChain for personalized AI guidance, chatbots, and visualizations, delivering actionable insights that enhanced parental decision-making and child wellbeing.
- *Technologies:* Vue.js, FastAPI, Supabase (PostgreSQL), Gemini API, LangChain

2024
Freelance



Automated KPI Consolidation Tool

Pickwick Group

- Automate the consolidation of budget, revenue, and job listing data into a comprehensive KPI Excel workbook. reducing manual time by 80%.
- Implementing period-based segregation and CSM-specific reporting, all on a custom GUI built on TKinter.
- *Technologies:* Python, Pandas, tkinter, MS-Excel

2022
Professional Work



Market Segmentation Study for Purifiers

InsightzSurvey

- Lead scripter to the project and implemented a conjoint analysis study for Coway, a major air and water purifier company, requiring custom coding for complex survey logic.
- Revealed distinct consumer segments and significantly impacted their marketing strategy, allowing for better-targeted campaigns for different purifier models.
- Analyzed multiple data layers, including demographic information, purchasing behavior, and environmental concerns, to perform a comprehensive and accurate market segmentation.
- *Technologies:* Lua, Python, Pandas, R

EDUCATION

2017 - 2019



Diploma of Actuarial Science: CGPA 3.76

University of Technology MARA

- Coursework including: **Statistics, Probability Theory, Financial Mathematics, and Risk Models**
- *Leadership role:* Actuarial Science Committee member - Head of humanities and academics bureau
- *Deans list* (GPA above 3.5) for every semester
- Achieved the Vice Chancellor Award

5/2025 - 8/2025



Trainee

Gamuda AI Academy

- Co-designed and delivered a childcare-assistant MVP that empowers parents with AI-driven activity plans, health reminders and real-time Q&A, built on Vuetify (UI), FastAPI (backend), Supabase (DB) and Gemini AI.
- Implemented RESTful APIs, scalable data schemas and CI/CD pipelines; accelerated team productivity through pair programming, mentor-led code reviews and sprint demos.

CERTIFICATION

10 /2023 - 10 /2026



CompTIA Data+ CE

COMPTIA

- Industry-recognized credential validating advanced proficiency in data analytics, visualization, and governance. This certification underscores my expertise in extracting actionable insights from complex datasets and implementing robust data quality controls.
- *Technologies:* SQL, Python, PowerBI

LANGUAGES

English - Native, Malay - Native