FAIZATUL FITRI BIN BOESTAMAM

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My Portfolio

ABOUT ME

Database Administrator with a **first-class degree** in Software Engineering (CGPA 3.89), currently managing 12+ mission-critical systems under a Ministry of Defence contract. Experienced in database design, ETL, data migration, and data validation. Certified in cloud computing, data analytics, and cybersecurity. Actively building a career path toward **Data Analyst** and **Data Engineer** roles, with long-term aspirations in **Data Science**.

EDUCATION

Bachelor in Computer Science with Honours (Software Engineering)   10/2020 - 7/2024

- **CGPA: 3.89**
- **Institution:** Universiti Malaysia Sarawak. Kota Samarahan, Malaysia.
- **Scholarship**: Yayasan Sarawak Tun Taib Scholarship (BYSTT) Recipient.
- **Publication:** Reviewed Article "Enhancing IIoT Security: AI-Driven Blockchain-Based Authentication Scheme" in International Journal of Computer Science & Technology (2024).

EXPERIENCE

IT Dept, Maxvec Sdn. Bhd. - Kuala Lumpur, Malaysia

Protege' Database Administrator, Ministry of Defence IT Contract   2/2025 - Present

- **Sole DBA on-site** supporting **12+ mission-critical military systems**, managing database design, implementation, and technical maintenance.
- **Led** system requirement analysis and project reviews with cross-functional teams from multiple defense branches.
- **Performed** ETL and legacy data migration, reducing workflow errors by 30% through improved data validation and cleanup.
- **Configured** automated database backups using Task Scheduler on production servers.

Enterprise Portfolio Div, ICT Dept, Sarawak Energy Berhad (SEB). - Kuching, Malaysia

OutSystems Developer, Internship Trainee   2/2023 - 8/2023

- **Collaborated** and **coordinated** with senior developers to **develop, test, & maintain 12 internal management systems** on the OutSystems, digitizing manual workflows across **10 departments and 10 branches** to improve operational efficiency and communication.

PROJECT

SPAKE, SUTERA & FMS – Military Project   2/2025 - Present

- **Developed and designed inventory management systems database** for Sistem Pengurusan Aset Komunikasi Elektronik (SPAKE) and Fleet Management System (FMS) projects, cutting down asset tracking time by 25%.
- Conducted **data validation** and **schema mapping** for Sistem Pengurusan Jurutera Rejimen Askar Diraja (SUTERA) data migration.

Automated Height Adjusting Roadside Wind Turbine using IoT - FYP　　　　10/2023 - /7/2024

- **Engineered** an IoT-based wind turbine with **circuit design, network configuration,** and Blynk mobile app control to support **SDG Goal 7** by capturing energy from roadside traffic and wind sources.

Tools and Budget Acquisition System (TBR) – Intern Project　　　　2/2023 - 8/2023

- **Developed** a budget monitoring and acquisition platform for project sites to streamline workflow automation using **Outsystems**, reducing delays by 40%.

Ultimate Athletic Gym Management System, Coursework Client Project　　　　10/2022 -1/2023

- **Led** QA system testing and **backend development**, created test plans, debugged **PHP-MySQL** code, and documented SRS to assist fitness center operations.

CERTIFICATION

- CompTIA Cloud Essentials+ (2024)
- Alibaba ACP Cloud Computing Certified Associate (2024)
- Google Professional Certificate (2024): Data Analytics, Cybersecurity, IT Support
- Scrum Fundamentals (2024)
- RapidMiner Professional (2023): Machine Learning, Data Engineering, Application & Use Case

SKILLS

Databases Tech	:	MySQL/MariaDB (PhpmyAdmin/DBeaver), PostgreSQL(pgAdmin), Oracle (SQL Dev) and MongoDB (Compass)
Data Analytics & Visual	:	PowerBI, Tableau, RapidMiner
Programming Language	:	Familiar with SQL,R, Python, HTML, CSS, PHP and Javascript
Development Platform	:	Arduino IDE, Andriod Studio, Outsystems and Wordpress
Prototype & UI Design	:	Figma and Adobe XD
Office & Documentation	:	Microsoft Office, Canva and Draw.io

ACTIVITIES & INVOLVEMENT

- Expert Speaker for AI Education in Malaysia: Talk & Tour Series by Telebort (8/2024)
- Team Leader for PETRONAS BeDigital Bootcamp Cohort #8 (7/2024 - 8/2024)
- *Vice head of Discipline and Protocol Unit (DisPro)* For Final Year Project Symposium, FCSIT (5/2024 - 7/2024)
- Deputy Secretary of Unit Surau College Rafflesia (10/2022 - 2/2023)

REFERENCE

Dzulfikar Kamal bin Kamarudin

Project Manager

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