LUKMAN NUR HAFIZ RAMLI

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Cyberjaya, Selangor, Malaysia

JUNIOR SOFTWARE DEVELOPER

I am a Computer Science graduate from UiTM Cawangan Melaka, Kampus Jasin, with hands-on experience in backend development. I recently completed my Software Developer internship at MyCERT, CyberSecurity Malaysia, where I worked on real-world applications using FastAPI, React TypeScript, Kafka, and Linux bash scripting. I am now seeking a full-time Backend Engineer position, eager to apply my skills in API development, database management, and distributed systems. With a strong foundation in backend technologies and system architecture, I am passionate about building scalable and efficient software solutions while continuously expanding my technical expertise.

EDUCATION

Bachelor of Computer Science (Hons.)   **October 2021 - January 2025**
Universiti Teknologi MARA
CGPA: 3.77 (Vice Chancellor Award)

Foundation in Engineering   **June 2020 - May 2021**
Universiti Teknologi MARA
CGPA: 3.75 (Dean's List)

SKILLS

React TypeScript	SQL	Android Mobile Development
C, C++, Java, Python	NoSQL Database (MongoDB)	Amazon Web Service (AWS)
OpenSearch & OpenSearch Dashboards	Web Development (HTML, CSS, JS, TS, Node.js, JSF, MVC)	Git
		Kafka

PROFESSIONAL EXPERIENCE

Software Developer Intern @ MyCERT,   **October 2024 - February 2025**
CyberSecurity Malaysia
OpenSearch Dashboards Development and Integration

Project Description:
- Developed a custom plugin for OpenSearch Dashboards using React TypeScript & Node.js, integrated with a honeypot system.
- Pushed data to OpenSearch Dashboards for data visualization, enabling actionable insights.
- Played with OpenSearch security roles (RBAC) to configure data and plugin access for multiple users with varying roles and logins.
- Deployed OpenSearch on the staging server using Linux bash scripts, ensuring seamless setup.
- Integrated FastAPI with OpenSearch for real-time honeypot updates and backend-frontend interaction.
- Troubleshoot errors from logs to ensure application stability and resolve deployment issues.
- Deployed applications on Linux environment server.
- Streamlined collaboration and ensured code quality using GitLab for version control.
- Used Kafka to handle import/export requests concurrently without conflicts.
- Successfully executed all tasks under minimal supervision.

PERSONAL PROJECTS

Selangor Flood Prediction Using LSTM-based Model   **October 2023 - July 2024**
& Visualization: A Mobile Application
Final Year Project - Recipient of the UiTM Kampus Jasin "Anugerah Panel Industri" Award

Project Description:
- Developed a mobile app to predict floods in Selangor using an LSTM model.
- Utilized AWS Lambda for running prediction code efficiently.
- Stored prediction data in AWS DynamoDB for quick access.
- Managed secure access to AWS services with IAM.
- Monitored app performance and logs with AWS CloudWatch.
- Automated prediction schedules with AWS EventBridge.
- Used AWS S3 for data storage and retrieval.
- Created interactive data visualizations in the Android app.
- Managed code versioning using GitHub.
- Automatically sent flood warning messages to users using AWS SNS and Firebase Cloud Messaging (FCM).

API Middleware for Logistics Rate Integration   **January 2025**
Personal Project

Project Description:
- Built a FastAPI middleware to unify courier APIs (CityLink, Poslaju, J&T) for domestic postage rates.
- Implemented Swagger UI for interactive API documentation.
- Added logging to track requests, errors, and performance.
- Implemented Redis caching to optimize response times and reduce redundant API calls.
- Developed unit tests using unittest, including mocked API requests, to ensure API reliability.
- Containerized the application using Docker.
- Managed code, documentation, and issue tracking on GitHub.
- Enhanced security with rate limiting, payload validation, and API versioning.
- Planned future enhancements, including international postage support and more courier integrations.

Travel Agency System Development   **July 2023**
Assignment Project

Project Description:
- Developed a Travel Agency System using MVC (JSF), MySQL, HTML, CSS, and JavaScript for the CSC584 Enterprise Programming course.
- Implemented user authentication, role-based access, and a booking/payment system with invoice management.
- Designed a homepage for customers to book travels and for staff to manage bookings, customers, and other staff.
- Enabled staff to handle tasks, search for members, and generate sales and customer reports.

PROFESSIONAL REFERENCES

Nor Fadilah Binti Tahar @ Yusoff
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UiTM Cawangan Melaka, Kampus Jasin
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