KHOR ZHEN WIN
BACKEND ENGINEER II
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SUMMARY
Always eager to learn best practices and is self-motivated to stay ahead in the ever-changing technological landscape.

EXPERIENCE

MONEYLION   Kuala Lumpur, Malaysia

Backend Engineer II   January 2025 – Present

- Designed and implemented end-to-end integration with a new payment service provider, incorporating smart routing for Payments-as-a-Service based on payment type, and extending through to webhook consumption via AWS API Gateway and AWS Lambda.
- Led the integration of separating payment authorization and capture steps from a typical bundled transaction to enhance balance detection capabilities. Proposed several cross-service integrations that highlights both operational overhead, coupled dependencies, and data archiving strategies.

Backend Engineer I   September 2023 – January 2025

- Designed and implemented a CQRS-based card reversal endpoint, facilitating seamless transaction voiding and reversal with payment processors, enhancing customer operations to refund ~100 transactions weekly.
- Enhanced monitoring and automated alerts on grafana and DataDog to trace inconclusive transfers, resulting in the conclusion of approximately 700 transfers monthly and establishing a reliable payment ledger.
- Spearheaded the migration of SOAP to REST integration of a payment service provider, demonstrating notable performance enhancements in monitoring, throughput, and parallel client load distribution.
- Migrated kafka consumers from a dual-read approach ensuring idempotency and deduplication in message consumption.
- Performed performance testing on core services up to 50 times production load for a marketing campaign to ensure spiked, gradual increase, and bursty traffic is supported whilst minimizing idle cost. Further optimized on thread pool sizing and rest clients to improve sensitivity of on-demand scaling and handling backpressure.

FUSIONEX INTERNATIONAL   Selangor, Malaysia

Data Engineer / Backend Developer Intern   July 2022 – November 2022

- Delivered large-scale ETL pipelines consuming a million records daily using Google Big Query & Apache Airflow for normalized usage of dashboard building, ingesting from various sources such as MongoDB, CSV files, Firestore, PostgreSQL.
- Developed and maintained microservice API endpoints using MEN stack with authentication middleware.
- Integrated automated test cases for backend API testing using Jest to decrease resources used on testing.

Business Analyst / Quality Assurance Intern   April 2021 – August 2021

- QA software solutions in end-to-end manual web & native mobile app testing.
- Enhanced front-end web testing by utilizing Selenium/Katalon to automate tests and utilized Postman for back-end API manual testing.
- Refined business requirement documentation for clients and software manuals for regular upkeep.

EDUCATION

ASIA PACIFIC UNIVERSITY   2021-2023

Bachelor's in Computer Science, Data Analytics

- CGPA of 3.8/4.00
- Coursework covering Data Engineering (ETL, Pipelines, Data Warehousing), Data Analytics (Dashboarding w/ PowerBI), Data Science (Predictive Modelling w/ SAS Enterprise Miner), Text Analytics (Python)
- Course projects include: - Employee Attrition Analytics (R Programming), Sales Performance Analytics (PowerBI, ETL), Predictive Modelling for Airline Customer Satisfaction (SAS Enterprise Miner), Tuition Management System (C++), Airflight Control System (Java)
- FYP: Emotion Analysis Dashboard using Spotify Data (Next.js, MantineUI, ChakraUI, Vercel)

TECHNICAL SKILLS

Programming	: Java (Springboot), JavaScript, PHP, VB.Net, Python, Next.js, React.js
Data Analytics/Engineering	: R, SAS, PowerBI, Google Big Query, Apache Airflow, SQL, MongoDb
Software Testing	: JUnit, Mockito, k6, Selenium, Postman, Jest.js

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OTHERS

Language	: Fluent in English and Bahasa Malaysia for reading, writing, and speaking.
Activities	: 1st Place in 4 Hackathons – 2 Web Projects, 1 Mobile App, 1 Backend Challenge
	Finalists in 2 Hackathons – 1 Web Project, 1 Data Analysis Project