MUHAMMAD AMIR BIN ABDUL RAZAK

Backend Software Engineer

Selangor, MY • amrrzk02@gmail.com • + 60 17 500-5516
https://amirrazak.com • https://github.com/AmirAbdRazak • https://linkedin.com/in/AmirAbdRazak

EDUCATION

MANAGEMENT AND SCIENCE UNIVERSITY **Selangor, MY**

Bachelor of Computer Science, *CGPA: 3.65* **Sep '20 - Aug '23**

ADDITIONAL INFORMATION

- **Languages/Frameworks:** Python, Javascript, Typescript, Django, NodeJS, NextJS
- **Technologies:** Docker, GraphQL, RESTful API, PostgreSQL, Linux, Jira, Github

PROFESSIONAL EXPERIENCE

INFIN8CO SDN BHD • Junior Software Developer **Kuala Lumpur, MY**

Docker • Python • Django • GraphQL API • PostgreSQL • Linux **Sep '23 - Present**

- Accelerated time-series reporting queries through database indexing and set operations, achieving 40x performance improvement.
- Optimized test data generation process, reducing complexity from O(n) to O(log n) by dealing with batch processing with relational models.
- Implemented granular feature control and permission management across a multi-tenant setup, including rate limiting and selective feature enablement per tenant, to enhance security and customization.
- Expanded test coverage for CSV endpoint, implementing comprehensive edge case handling to enhance product robustness.

INFIN8CO SDN BHD • Software Developer Intern **Kuala Lumpur, MY**

Docker • Python • Django • GraphQL API • PostgreSQL • Linux **Feb '23 - Aug '23**

- Refactored 25+ GraphQL endpoints for seamless integration of a new feature in close collaboration with the frontend team.
- Implemented batch loaders for multiple endpoints using Dataloaders, resulting in a 500% increase in processing speed by eliminating the N+1 Query Problem.
- Conceptualized and implemented multiple quality of life features on the CSV endpoint, improving developer experience.

HIGHLIGHTED PROJECT

LISTENING HISTORY DATA VISUALIZER • https://amirrazak.com/charts

Docker • Rust • Typescript • Javascript • SvelteKit • GraphQL API • PostgreSQL • Linux • Cloud Deployment

- Utilized batch asynchronous programming to utilize IO downtime and speed up mass HTTP requests.
- Strategically employed distributed systems for cloud deployment via platforms like fly.io and Docker, ensuring high availability and minimal downtime.