MUHAMMAD AMIR BIN ABDUL RAZAK

Backend Software Engineer

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EDUCATION

MANAGEMENT AND SCIENCE UNIVERSITY   **Selangor, MY**
Bachelor of Computer Science, CGPA: 3.61   **Sep '20 - Aug '23**

ADDITIONAL INFORMATION

- **Highlighted Skills:** Python, Rust, Typescript, Docker, GraphQL, RESTful API, Django, Tokio, NodeJS, NextJS, SvelteKit, PostgreSQL, SQLx, Pris
- **Program Management:** Jira, Confluence, Github, Linux
- **Certifications & Awards:** Final Year Project Red Carpet Award, Dean's List (Sep '20, Feb '21, Sep '22)

PROFESSIONAL EXPERIENCE

INFIN8CO SDN BHD • Backend Engineer Intern   **Kuala Lumpur, MY**
Docker • Python • Django • GraphQL API • PostgreSQL • Redis • Linux   **Feb '23 - Aug '23**

- Committed thousands of lines of code into production, including rigorous unit tests that were deployed to ensure reliability.
- Spearheaded the implementation of batch loaders for multiple endpoints using Dataloaders, resulting in a remarkable 500% increase in processing speed by eliminating the N+1 Query Problem.
- Developed and maintained a metrics reporting endpoint independently, introducing 15+ queryable items and achieving high test coverage for robust deployment.
- Conceptualized and collaboratively implemented new features on the CSV endpoint, resulting in a substantial 50% improvement in user experience.
- Refactored 25+ GraphQL endpoints to incorporate a new feature seamlessly, addressing hundreds of breaking unit tests and expediting frontend development by 30%.
- Effective use of Jira, Confluence, and GitHub for program management and team collaboration.

HIGHLIGHTED PROJECT

LISTENING HISTORY DATA VISUALIZER • https://amirrazak.com/charts
Docker • Rust • Typescript • Javascript • Axum • SvelteKit • GraphQL API • PostgreSQL • Linux • Cloud Deployment

- Achieved blazingly fast API call execution through asynchronous programming, processing thousands of calls within seconds, which is significantly faster than synchronous methods.
- Utilized Rust's robust exception handling to safely parse and manage extensive datasets, resulting in a 200% reduction in production errors.
- Strategically employed distributed systems for cloud deployment via platforms like fly.io and Docker, ensuring high availability and minimal downtime.