MUHAMMAD AMIR BIN ABDUL RAZAK
Backend Software Developer

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HIGHLIGHTED SKILLS

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

    AWS Lambda, AWS DynamoDB

PROFESSIONAL EXPERIENCE

INFIN8CO SDN BHD • Junior Software Developer • Chat Enterprise Platform   Kuala Lumpur, MY

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

- **Perform PR reviews** and help design core functionality for **AI Serverless features**.
- **Implement an ORM** for data transformations to and fro **Pydantic** and **AWS DynamoDB** to clean up queries and improve Developer Experience.
- Accelerated a high-traffic **GraphQL endpoint by 40×** through database indexing and efficient queries.
- Consulted endpoint owners while pushing for a refactor on core utils to improve codebase clarity without crossing over other existing work.
- Optimized **test data generation**, reducing complexity from $O(n)$ to $O(\log n)$, speeding up development cycles.
- Utilized **Instructor** and **Vertex** to add LLM features for **Voice Transcription support**.
- Integrated feature flags in a **multi-tenant system** to manage permissions and rate limiting.

INFIN8CO SDN BHD • Software Developer Intern • Chat Enterprise Platform   Kuala Lumpur, MY

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

- **Updated 25+ GraphQL endpoints** to support new features alongside frontend teams.
- Used **DataLoaders to eliminate N+1 query issues**, a known security issue in GraphQL, increasing speed by 500%.
- Enhanced CSV endpoints with features that improved the developer experience.

PERSONAL PROJECTS

LOX INTERPRETER @ https://github.com/AmirAbdRazak/rlox

Rust

- Implement a lexer and a top down parser to **generate an Abstract Syntax Tree**.
- **Support function calling,** scoping and local environments within the interpreter runtime.
- **Implement semantic analysis** for resolving variables over parent scopes.

EDUCATION

MANAGEMENT AND SCIENCE UNIVERSITY   Selangor, MY

Bachelor of Computer Science, CGPA: 3.65, 3x Dean's List Receiver   **Sep '20 - Nov '23**