MUHAMMAD RADITYA

Jakarta, Indonesia | https://mraditya.my.id

PROFILE SUMMARY

Junior Backend Engineer with experience maintaining and enhancing enterprise-scale backend systems at 99 Group (99.co, Rumah123, SRX). Strong background in Python-based backend services, SEO-related systems, and legacy environments. Proven ability to debug production issues, optimize API performance (including major latency reductions), and improve system reliability through caching, monitoring, and alerting. Experienced in microservices, API gateways, and cross-functional collaboration with frontend, QA, and product teams.

WORK EXPERIENCE

99 Group (99.co | Rumah123 | SRX)
Junior Backend Engineer   **August 2025 – Present**

- Implemented backend optimizations for large-scale dynamic content and search systems supporting millions of generated pages across high-traffic platforms, resulting in 10% YoY and 39% QoQ growth in key platform traffic.
- Refined routing, URL generation, and metadata handling across distributed services, improving consistency and correctness across millions of dynamically generated pages.
- Executed large-scale system cleanup initiatives, reducing redundant artifacts from ~15M to ~3M+, improving system efficiency and resource prioritization by 80%+.
- Enhanced backend logic for detail pages by improving structured data processing, canonical routing, and content handling, leading to a 4% visibility improvement within two weeks.
- Developed and maintained backend services in Python within a microservices ecosystem, ensuring reliable service-to-service communication and API contract alignment.
- Improved reliability across API gateways and services by resolving integration issues, strengthening data consistency, and handling edge cases in distributed workflows.
- Frequently took ownership of production issues, analyzing historical architectural decisions and system behavior to diagnose and resolve complex incidents in collaboration with cross-functional teams.

Junior Backend Engineer (Part-time)   **February 2025 – August 2025**

- Maintained and enhanced backend services in a legacy environment, resolving bugs and ad-hoc issues that improved overall system stability.
- Delivered incremental feature improvements while ensuring backward compatibility across existing systems.
- Implemented Redis caching to reduce load on dependent services and improve API response time and consistency.
- Added log-based alerting integrated with Slack to improve issue detection, debugging efficiency, and incident response time.
- Collaborated closely with frontend and QA teams to ensure reliable releases and smooth feature rollouts.

Backend Engineer Intern   **February 2024 – February 2025**

- Supported enterprise-scale Java backend systems by resolving ±40 backend support tickets related to core product functionality.

- Optimized critical REST and internal APIs as well as cronjob-driven services, reducing response times from ~300s to ~80s through query optimization, improved data-fetching logic, and basic execution safeguards.
- Gained exposure to DevOps and infrastructure work, including writing Dockerfiles and assisting with cloud migration efforts.
- Contributed to maintenance and enhancement of backend services for high-traffic platforms, gaining experience with large, long-lived codebases.
- Modified and maintained complex legacy SQL queries while prioritizing performance and correctness.
- Resolved third-party authentication issues caused by external platform changes by adapting backend logic to updated provider requirements.

PROJECTS

Home Server

- Built and maintained a self-hosted server running multiple containerized services using Docker and Kubernetes.
- Configured NGINX reverse proxy, CI/CD with Jenkins, and secure access via Cloudflare Tunnel and Tailscale.

VERN – Vehicle Rental Platform

- Developed backend services using Laravel and PostgreSQL.
- Integrated Google OAuth, payment gateway (Midtrans), and email delivery services.
- Ensured reliable booking and transaction flows with external service integration.

TIKETIN – Airline Ticket Reservation System

- Implemented backend logic for flight booking, seat selection, and order history management.
- Designed transactional workflows to ensure data consistency across booking and payment processes.

EDUCATION

Bina Nusantara University (BINUS)
Bachelor of Computer Science — GPA: 3.44 / 4.00   **September 2021 – August 2025**

SKILLS

- Languages & Frameworks: Python, Java, JavaScript, Laravel, Golang, ASP.NET (C#), Next.js
- Databases & Caching: PostgreSQL, Redis, MongoDB
- Infrastructure & Tools: Docker, Kubernetes, NGINX, CI/CD, Git
- Concepts: REST APIs, Microservices, API Gateways, SEO Backend Systems, Distributed Systems, Monitoring & Alerting