

Ahmad Mirza Fahmi Baharuddin

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Petaling Jaya, Selangor

BACKEND SOFTWARE ENGINEER

Software engineer with a strong passion for technology and a proven ability to quickly learn and adapt. Proficient in Python and its frameworks (Django, Flask, FastAPI), as well as web development technologies including HTML, CSS, JavaScript, jQuery, Vue.js, PHP, Laravel, and Livewire. Experienced in building and consuming RESTful APIs, managing CRUD operations, handling database management, and version control with Git. Knowledgeable in the concepts of message queues and Publish/Subscribe (Pub/Sub) systems for real-time communication and asynchronous processing. Eager to leverage my diverse skill set and enthusiasm for tech to contribute to innovative projects in a dynamic environment.

PERSONAL DEVELOPMENT

Web Development

Jan 2024 - Apr 2025

- **Vue.js & Nuxt.js:** Developed dynamic, component-based web applications to enhance user interaction.
 - **PostgreSQL** – Hands-on experience with designing and optimizing relational databases for scalable web applications.
 - **Bash Scripting** – Automated server administration tasks and deployments, enhancing efficiency in development workflows.
 - **PHP, Laravel & Livewire:** Built full-stack web applications with real-time user interaction, using Laravel for backend logic and Livewire for frontend dynamics.
 - **Python & Web Frameworks** – Developed scalable web applications and high-performance APIs using Django, Flask, and FastAPI, focusing on clean architecture and efficient data handling.
 - **Node.js & Express** – Built robust, RESTful APIs and server-side applications, ensuring scalability, security, and optimal performance for web and mobile platforms.
 - **Docker** – Containerized applications using Docker for development consistency, scalability, and easy deployment across different environments.
 - **Kubernetes** - Familiar with basic container orchestration concepts for managing and scaling applications.
 - **Dart & Flutter** - Built cross-platform mobile applications with a focus on performance and responsiveness.
 - **Clean Architecture (Flutter)** - Implemented scalable and maintainable app structures following Clean Architecture principles.
 - **State Management & DI (Flutter)** – Implemented BLoC for structured state management and used GetX for efficient dependency injection.
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PROFESSIONAL EXPERIENCE

Backend Software Engineer

Apr 2025 - Present

A Wellness Holdings Pte Ltd

Developed and maintained scalable backend systems with Node.js/Express and Python, building RESTful APIs with Django REST Framework (DRF) and content-driven sites using Django CMS. Designed and documented API architectures, optimized PostgreSQL services for performance and scalability, containerized workflows with Docker, and managed source control with Git—while integrating AI features into broader system architectures.

Accomplishments:

- Implemented FCM push notifications in the existing API, enabling real-time user engagement.
- Integrated BigQuery data synchronization to support a customer rewards points program.
- Enhanced backend functionality by adding new features while ensuring backward compatibility.
- Resolved critical API bugs, improving system stability and user experience.

Medical Innovation Ventures (MEDIVEN)

Responsible for managing and optimizing production environments using Python, automating tasks, and ensuring efficient, reliable operations. Leveraged Python scripts to summarize inventory stock, easing the process of forecasting and stocking, and improving overall efficiency.

Accomplishments:

- Achieved a ~90% reduction in document generation time for export and local operations through effective Python automation.
- Boosted productivity by >30% with a centralized inventory system, enabling real-time stock visibility across teams. Leveraged Python (Pandas) to integrate demand-driven stock ordering and budget allocation, optimizing resources and ensuring timely procurement.
- Upgraded the inventory system with Django, adding department-based permissions and electronic asset controls for secure, efficient asset management.

SKILLS AND KNOWLEDGE

HTML, CSS, Javascript, Bootstrap, Tailwind jQuery, Vue.JS, Nuxt.JS Python, PHP, Node.js Relational DB, Database migration	Django, Flask, FastAPI Laravel, Livewire PostgreSQL, SQLite RESTful API, CRUD Git, GitHub	Middleware, Roles and Permission MVC and MVT architecture Bash, Cron Pandas, Scrapy AWS EC2, Vercel, Render, Fly.io
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PERSONAL PROJECTS

TeamUp (Social media for sport/gamer enthusiasts)github.com/mirzafahmi/TeamUp

Developed TeamUp, a dynamic web application that connects gamers and sports enthusiasts to form teams for their favorite activities. As a social media platform tailored to the sports and gaming community, TeamUp allows users to post detailed feeds to organize meetups and gameplay sessions efficiently. The platform enhances the user experience by providing a simple and effective way to connect with like-minded individuals.

Key Technologies:

HTML, CSS, Bootstrap, JavaScript, PHP, Laravel, Livewire, PostgreSQL, Fly.io.

ezAdmin (Administrative management system)github.com/mirzafahmi/ezAdmin

Developed and deployed ezAdmin, a web-based solution that streamlines administrative tasks, reducing manual workload and automating repetitive processes. This project centralized management systems, enhancing operational efficiency and allowing teams to focus on strategic activities. Achievements include a significant reduction in administrative overhead and improved task management across the organization.

Key Technologies:

HTML, CSS, Bootstrap, JavaScript, jQuery, SQLite, Python, Django, AWS EC2.

EDUCATION

International Islamic University Malaysia (IIUM) • Kuantan, Pahang
Bachelor of Biotechnology (Honours)

2016 - 2020