

# Ahmad Mirza Fahmi Baharuddin

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Kuala Terengganu, Terengganu

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## BACKEND DEVELOPER

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.

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## PERSONAL DEVELOPMENT

### Web Development

Jan 2024 - Present

- **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.
  - **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

### Admin Executive

Aug 2021 - Dec 2023

#### 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 overall productivity by >30% through the implementation of a centralized inventory system for raw materials, ensuring efficient access to real-time stock availability information across multiple teams.
- Leveraged Python skills, particularly using Pandas, to seamlessly integrate demand-driven stock ordering and budget allocation strategies. Thus, it resulted in optimizing resource utilization and ensuring timely procurement based on actual needs.
- Upgraded the inventory management system using Django, incorporating department-based permissions for enhanced security. Implemented features to control electronic assets, such as company laptops, providing a more granular level of control and ensuring efficient management of assets across the organization.

#### Production Executive Trainee

Apr 2021 - July 2021

#### Medical Innovation Ventures (MEDIVEN)

Performed ad hoc tasks such as documenting, participating in the production department, and conducting quality control tests on finished products.

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## SKILLS AND KNOWLEDGE

HTML, CSS, Javascript, Bootstrap, Tailwind jQuery, Vue.JS, Nuxt.JS Python, PHP 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](https://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](https://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.

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## EDUCATION

International Islamic University Malaysia (IIUM) • Kuantan, Pahang

2016 - 2020

Bachelor of Biotechnology (Honours)