

# Dhafin Fawwaz Ikramullah

Programmer | Software Engineer

🌐 Website: <https://dhafinfawwaz.github.io/>

🐙 Github: <https://github.com/DhafinFawwaz>

🌐 LinkedIn <https://linkedin.com/in/dhafinfawwaz/>

## Education

- **Bandung Institute of Technology (ITB)**  
Informatics | 3rd Semester | Current GPA 3.77/4.00.

## Organization

- **Leader of New Member Admission at GIM**  
An organization about game development in ITB.
- **Vice Leader of Research & Development at GIM**  
An organization about game development in ITB.

## Skills

- **Mobile Development :**  
Flutter, Dart, Firebase, Java, Kotlin, Unity, C++, C#.
- **Game Development**  
Unity, C#, HLSL, Firebase, PixiJs, Javascript.
- **Web Development**  
ReactJs, NextJs, Bootstrap, Angular, Django, Vercel, Flask, Heroku, HTML, CSS, Javascript, Typescript, D3, ExpressJs, MongoDB, SQLite, Firebase, PixiJs, Python, NodeJs, MySQL, PostgreSQL, Prolog.
- **Other**  
Git, Blender, Figma, PlasticSCM.

## Technical Projects

- **AnimationUI** - [Unity Engine, C#]  
Easy drag&drop based open source UI animation tool.
- **Pace Break** - [Unity Engine, C#]  
Fast platformer combat, Hollow Knight inspired game, implemented observer, state machine pattern, etc.
- **HexaTap** - [Javascript, PixiJs, Firebase]  
A fun and fast paced tapping web game.
- **SiAbsen** - [Inngest API, NextJs, ExpressJs, Vercel, PostgreSQL]  
Notification bot for student presence.
- **Expiration Reminder** - [Flutter, OpenAI API, MongoDB]  
Reminder mobile app with QR Code integrated with OpenAI API for auto-generated description.
- **VFX Mesh Generator** - [Unity Engine, C#]  
3D Mesh Generator for VFX creation with shader.
- **Reusable FSM with Editor** - [NextJs, Typescript]  
Implementation of Finite State Machine pattern in Unity including a visual editor.
- **Grappler Crashers** - [Unity Engine, C#, HLSL]  
Unique hypercasual game with creative mechanic and physics. Implemented pattern like state machine, singleton, etc. It wins 1st place on internal GIM event.
- **Cube Associator** - [Unity Engine, C#]  
Creative game with unique and fun mechanic for submission of GMTK Game jam.
- **Ocular** - [NextJs, Django, C, SQLite]  
Content-based Image Retrieval with web scrapping.
- **Flavy** - [Unity Engine, C#, HLSL]  
A visual novel game. to introduce the campus branch of Bandung Institute of Technology.

An Indie Game Developer for fun, a particle vfx/shader enthusiast, and a math enjoyer. Current main specialities are Mobile, Game, and Web Development which will change in the future since I'm interested in learning more. I've published a game with **+5000 installs**, worked inside and led teams on projects.

## Work Experience

- **Kirana dan Laplip** - [2023]  
Freelance programmer for a storybook game.
- **Legend of Tampoemas Mountain** - [2022]  
Freelance programmer, realtime vfx/shader creation, and animator for a storybook game.
- **Flavy** - [2021]  
Freelance programmer, realtime vfx/shader creation, and animator for a visual novel game to introduce the campus branch of Bandung Institute of Technology.

## Achievement/Awards

- **Finalist Gemastik XVI** - [2023]  
National level Game Development Competition issued by The Ministry of Education and Technology.
- **2nd Winner of Game Dev MAGE 7** - [2021]  
National level Game Development Competition issued by Sepuluh Nopember Institute of Technology.
- **Finalist of Kompetisi Sains Nasional** - [2021]  
Top 100 national level finalist of an official Computer Science Olympiad by The Ministry of Education attended by highschool student throughout Indonesia.

- **Leapy Leapy Fishy** - [Unity Engine, C#]  
2nd place in Game Development competition issued by Sepuluh Nopember Institute of Technology.
- **Clustered Chaos** - [Unity Engine, C#, HLSL]  
Creative game winning 2 category on GIM Jam 2023.
- **Project Arthur** - [Unity Engine, C#, HLSL]  
Hack & slash and rougelike top down unfinished game implementing state machine, object pooling, etc.
- **Very Optimized Coins Shader** - [Unity Engine, HLSL]  
Thousands of coins with variated jump phase, flipbook animation, jump height, etc. rendered in only 1 batch.
- **VFX-Shader Collection** - [Unity Engine, C#, HLSL]  
My collections of game vfx made with some shaders and particle system created with a lot of shader tricks.
- **Legend of Tampoemas Mountain** - [Unity Engine, C#]  
Story book game about the Tampoemas Mountain.
- **Kirana & Laplip** - [Unity Engine, C#]  
Story book game about Kirana & Laplip.
- **RangkiangForm** - [Spreadsheet API, ReactJs, ExpressJs]  
Form with spreadsheet API for a certain company.
- **Snake4D** - [Unity Engine, C#, HLSL]  
Snake game with ability to move in 4th dimension. It manage to get **+5000 installs** when i'm a beginner.

## Contact

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