

# Dhafin Fawwaz Ikramullah

Programmer | Software Engineer

## Education

- **Bandung Institute of Technology**  
Undergraduate of Informatics | 2nd Semester | Current GPA 3.82/4.00.

## Skills

- **Mobile Development :**  
Flutter, Dart, Firebase, Java, Kotlin, NodeJs, Unity, C++, C#, Qt.
- **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.
- **Desktop Development**  
C#, C++, .Net, Unity, Python, Java.
- **Other**  
Git, Blender, Figma, Illustrator, After Effect, Photoshop, PlasticSCM.

## Technical Projects

- **AnimationUI** - [Unity Engine, C#]  
Easy drag and drop based open source UI animation.
- **HexaTap** - [Javascript, PixiJs, Firebase]  
A fun and fast paced tapping web game.
- **RangkiangForm** - [Spreadsheet API, ReactJs, ExpressJs]  
Special purpose form for a certain company.
- **Portfolio Website** - [NextJs, Typescript]  
Website to showcase my collection of projects.
- **Project Arthur** - [Unity Engine, C#, HLSL]  
Hack & slash and rougelike top down unfinished game implementing state machine, object pooling, etc.
- **Grappler Crashers** - [Unity Engine, C#, HLSL]  
Unique hypercasual game with fun and creative mechanic and physics. Implemented pattern like state machine, singleton, etc. It wins 1st place on internal GIM competition.
- **Cube Associator** - [Unity Engine, C#]  
Creative game with unique and fun mechanic for submission of GMTK Game jam.
- **Very Optimized Coins Shader** - [Unity Engine, HLSL]  
Thousands of coins with variated jump phase, flipbook animation, jump height, etc. rendered in only 1 batch.
- **Expiration Reminder** - [Flutter, ChatGPT API, MongoDB]  
Reminder mobile app with QR Code integrated with ChatGPT API for auto-generated description.
- **Leapy Leapy Fishy** - [Unity Engine, C#]  
The game that makes me wins 2nd place in Game Development competition issued by Sepuluh Nopember Institute of Technology.

An Indie Game Developer for fun, a particle vfx/shader enthusiast, and a math enjoyer. My current main specialities are in Mobile, Game, and Web Development which will change in the future since I'm interested in learning more. I've published a game with **+1000 installs**, worked inside and led teams on projects.

## Work Experience

- **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 new campus branch of Bandung Institute of Technology.

## Achievement/Awards

- **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.
- **Silver Medal of Kompetisi Sains Nasional** - [2020]  
Silver medal city level of an official Computer Science Olympiad by The Ministry of Education attended by highschool student throughout Indonesia.

- **Clustered Chaos** - [Unity Engine, C#, HLSL]  
Unique lato-lato game with fun and creative mechanic for GIM Jam submission. It wins 2 category on GIM Jam 2023.
- **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.
- **Flavy** - [Unity Engine, C#, HLSL]  
A visual novel game to introduce the new campus branch of ITB. I worked as a freelance programmer, realtime vfx/shader creation and animator. It makes a lot of student join GIM (an Organization in ITB).
- **Legend of Tampoemas Mountain** - [Unity Engine, C#]  
A story book game for kids to tell the Legend of Tampoemas Mountain.
- **Snake4D** - [Unity Engine, C#, HLSL]  
Snake game with ability to move in 4th dimension. It's made when i'm still a beginner but manage to get **+1000 installs**.

## Contact

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| - <b>Personal Website</b><br><a href="https://dhafinfawwaz.github.io/">https://dhafinfawwaz.github.io/</a> | - <b>Linkedin</b><br><a href="https://www.linkedin.com/in/dhafinfawwaz/">https://www.linkedin.com/in/dhafinfawwaz/</a> |
| - <b>Gmail</b><br>dhafin.fawwaz@gmail.com  | - <b>Whatsapp</b><br>+628116292109   |
| - <b>Github</b><br><a href="https://github.com/DhafinFawwaz">https://github.com/DhafinFawwaz</a>           | - <b>Instagram</b><br>@dhafin_fawwaz   |
|  | - <b>Discord</b><br>KitkatMT#3449  |