# Ranaufal Muha

## Web3 & Smart Contract Developer

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Experienced Web3 & Smart Contract Developer with 3 years of expertise in JavaScript and over a year in Web3 development. Known for an analytical and detail-oriented mindset, with a strong commitment to research, continuous learning, and innovative ideation. Passionate about creating impactful digital experiences through cutting-edge technology.

## EXPERIENCE

### WEB3 DEVELOPER (PART TIME)
Dec 2024 – Present

Web3 Developer at ICP Hub Indonesia

- Served as a mentor during Hackathon 10–13, guiding participants in building Web3 applications using Internet Computer technology.
- Provided support and code reviews to junior developers, ensuring quality and scalability in submitted projects.
- Developed and maintained the frontend of Indonesia On Chain, a blockchain-based web project, utilizing modern web technologies with a focus on performance and user experience.
- Collaborated with cross-functional teams to integrate blockchain features and ensure seamless interaction with ICP Canisters.

### BLOCKCHAIN / WEB3 DEVELOPER (INTERNSHIP)
Sep 2024 – Dec 2024

Blockchain / web3 developer at Indonesia's Secretariat of the Directorate General of Higher Education, Research and Technology Ministry of Education, Culture, Research and Technology.

- Developed Web3 applications and integrated client-side interactions with smart contracts using JavaScript.
- Gained expertise in blockchain technology and ecosystems through independent tasks and collaborative system design.
- Mastered Solidity for smart contract development and deployment based on given specifications.
- Focused on security practices and optimization in Web3 environments.

### WEB3 DEVELOPER (FREELANCE)
Oct 2024 – Dec 2024

Lost Club Toys – Web3 After Party Experience Project

- Enabled Internet Identity (II) authentication for secure, decentralized user login and wallet access on the Internet Computer blockchain.
- Developed wallet functionality allowing users to store, view, and interact with their NFTs, directly on-chain.
- Engineered a custom QR code scanning system, where admins could generate and place QR codes around physical event spaces. When scanned, users would receive NFT rewards, creating a gamified and immersive event experience.
- Delivered an end-to-end solution that combined blockchain technology with real-world event interaction, enhancing user engagement and showcasing practical use cases of decentralized tech.

## EDUCATION

Bachelor of Applied Computer Science (B.Sc.) - POLITEKNIK NEGERI PADANG
2021 - Present

Information Technology, software Engineer Technology

GPA : 3.8 / 4 (Semester 1 - 5); Top 10 GPA in Software Engineer Study Program

## CERTIFICATIONS

- Amazon Web Service : Machine Learning Foundations
- ORACLE : Database Programming SQL
- CISCO : Introduction to Cybersecurity
- CISCO : Programming Essentials in Python
- Dicoding : Belajar Dasar Visualisasi Data

## ACTIVITIES

### IT COORDINATOR TITLE
2023 – 2024

Coordinator 3 Division which is Programming, Networking and Multimedia at Cybertech Politeknik Negeri Padang

### HACKATHON COORDINATOR LEADER
Nov 2023

on Hackathon Cybertech 2023 is The biggest Hackathon in Cybertech Politeknik Negeri Padang history. The theme is "Building Communities Through Digital Solutions".

# PUBLICATIONS

### AIAI (Web3)
22 - 23 Aug 2024

At aiai, we connect AI developers and businesses on a decentralized platform. We simplify the exchange, making AI accessible and empowering innovation across industries.

Role : Smart Contract (Canister) Developer, Web3 Integration frontend - Backend

Technology : Motoko, React JS, ICP Blockchain

### Peridot (Web3)
Feb 2024 – Present

Peridot ( PER ) is a token designed to empower the gaming and digital transaction ecosystem. The project serves as a game launcher and digital distribution, allowing users to access, purchase, and play various games.

Role : Full-Stack Web3 Developer, Smart Contract (Canister) Creator

Technology : Motoko, React JS, Agile Methodology, ICP Blockchain

### The Hustle (Game)
July 2023

The Hustle is a project by 2 people. this is 1 vs 1 desktop game looks like Taken but 3D camera.

Role : Project Lead, Programmer, Unit Tester, Map Design

Technology : Unreal Engine 5 (C++), Blender, Mixamo

### The Runner (Game)
June 2022

The Runner is endless runner mobile game adaptation from my first game, which is Joki Runner but the graphic is more good. This is my personal project and was uploaded in google play store.

Role : Full-Stack Game Developer

Technology : Unity (C#), Blender, Mixamo

# SKILLS

- **Programming Language :** Java (Object Oriented Programming), JavaScript/TypeScript, python, C#, C++, Dart, Kotlin, HTML/CSS, Motoko, Solidity
- **Chains :** Ethereum, Polygon, Internet Computer Protocol
- **Data Management and Development Processes :** SQL, Git, Agile Methodology, Algorithm, Data Structures

# AWARDS

### 2nd PLACE HACKATHON 4.0 BY CODEFEST.ID
July 2024

This hackathon was held nationwide in Indonesia. The Peridot team won 2nd place and received a prize money of Rp. 5,000,000. We created a Game Launcher on the ICP Blockchain with the concept of Web3.

### MEMETHON BY BLOCKSEBLOCK ICP BLOCKCHAIN
June 2024

With a total of 43 participants who qualified for the final round and over 100 applicants, one of the 2 winners from Indonesia Peridot was in the Extra price position with a prize of $500 USD.

### SILVER MEDAL IN SAFE – NETWORK, THAILAND
May 2023

We made an Idea About Internet of Things for Farmers called Feazy (Feed Easy) This IOT is for farmers who can automatically fill food bins