

ZAKY IRSYAD RAIS

Frontend Developer – Web3/Blockchain Developer.

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I'm a Frontend Developer with 5 years of hands-on experience specializing in both Web2 and Web3 technologies. My toolkit includes TypeScript, Next.js, React ecosystem, Tailwind CSS, Supabase Database, Wagmi, and Viem. I thrive in fast-paced environments and love turning ideas into sleek, user-friendly interfaces. I've actively participated in hackathons and have proudly taken home the winner's title at 6 different competitions—proof that I can innovate, collaborate, and deliver results under pressure. I'm always eager for new challenges and excited to contribute to forward-thinking, impactful projects.

WORK/PROJECT EXPERIENCE

Founder - Frontend Developer at Bekaspakai

Yogyakarta, Indonesia (Hybrid). October 2024 – February 2025.

- Developed strong partnerships with other businesses to allow for collaboration and more significant opportunities for growth.
- Implemented efficient operational processes to optimize productivity and resource allocation.
- Created organization's mission and vision statements for use by employees.
- Achieved long-term sustainability for the organization through responsible decision-making processes grounded in ethics.
- Developed key operational initiatives to drive and maintain substantial business growth.
- Guided team members through periods of change by providing clear communication on expectations and objectives moving forward.

Google Developer Student Club — Universitas Islam

Yogyakarta, Indonesia (Hybrid). October 2023 – September 2024.

- Became a speaker at the Google Solution Challenge Submission preparation workshop with the title "Javascript for Your Personal Website" and most of the people who took part in the workshop succeeded in understanding JavaScript with a success percentage of 80%.
- Mentoring the 5 teams participating in the Google Solution Challenge to provide the best results in each of their projects.
- Checking 20 members of the Google Developer Student Clubs of the Islamic University of Indonesia.

- Submission of learning tracks that have been given to improve their knowledge and talents.
- Become a speaker at the Google Solution Challenge Submission preparation workshop with the title "Your Step-by-Step Guide to Web Deployment" with 26 participants in the workshop.

Frontend Developer at TEDxUniversitas Islam Indonesia.

Yogyakarta, Indonesia (Locate). March 2024 – July 2024.

- Coded using Next JS and Tailwind CSS to develop features for both mobile and desktop platforms.
- Enhanced user experience by optimizing web applications for maximum speed and scalability.
- Worked closely with UX/UI designers to translate their designs into functional web applications.
- Utilized version control systems such as Git to track changes throughout the development process.
- Collaborated with back-end developers to improve website functionality and integrate new features.

Frontend Developer at Belajarin

Yogyakarta, Indonesia (Hybrid). November 2023 – February 2024

- Utilized Next JS and Tailwind CSS to create visually appealing and responsive web pages that met client requirements.
- Worked closely with UX/UI designers to translate their designs into functional web applications.
- Utilized version control systems such as Git to track changes throughout the development process.
- Collaborated with back-end developers to improve website functionality and integrate new features.
- Troubleshoot technical issues related to front end development, ensuring prompt resolution to maintain project timelines.
- Maintained website performance by conducting regular updates and addressing compatibility issues across various platforms.
- Increased website accessibility for users with disabilities by integrating ARIA labels and following WCAG guidelines.

Frontend Developer at Thundercats Store

Yogyakarta, Indonesia (Hybrid). May 2022 – July 2023.

- Create a login system.
- Make a display from the home page to checkout containing the products sold to buyers.
- Create a checkout cart.
- Create a system to send messages from buyers to sellers.

- Displays data originating from the database to be displayed on the sales website and admin website.
- Realtime integration of buyer processing displayed on the admin website in realtime.
- Create statistical data on the admin system.
- Displays sales, financial, and inventory data on the admin system.
- Consumes existing API to connect with Backend with Postman.
- The entire website system is made with React JS, CSS, Material UI (MUI), and Postman.

Frontend Developer at PT. Amanah Media Nusantara

Yogyakarta, Indonesia (Remote). March 2023 – May 2023.

- Leader Team Project
- Make a component page website.
- Troubleshooting error/bug in website.
- Upgrade for accessibility page.
- Make a website use HTML, CSS, Javascript.
- Make user can use in All Device, Responsive Web is Available.

Frontend Developer at Kamadino Store

Yogyakarta Indonesia (Hybrid). Oktober 2022 – December 2022.

- Leader Team Project
- Make a component page website
- Troubleshooting error/bug in website
- Upgrade for accessibility page
- Make a website use HTML, CSS, Javascript
- Make user can use in All Device, Responsive Web is Available

VOLUNTEER EXPERIENCE

Coordinator of the Discipline and Field Division INPUT 2022 – Universitas Islam Indonesia.

November 2023 – January 2024

- Conduct a survey of trekking route locations.
- Ensure the safety of the trekking route.
- Provide information and install directions on the trekking trail.
- Determine the meeting point for rest and meal participants.
- Determine vulnerable points at the venue trekking.

- Carry out conditioning and control participant.
- Guiding and conditioning on the trekking agenda.
- Screening for the completeness of the committee and participant SOPs.

Vice Chairman of the Organizing Committee INPUT 2022 – Universitas Islam Indonesia.

November 2022 – January 2023

- Responsible for technical operational activities as a whole starting from the preparation, implementation, and post in accordance with the concept that has been made.
- Leading coordination meetings at INPUT 2022.
- Controlling and evaluating INPUT 2022 activity techniques.

Chairman of the Organizing Committee PORSEMATIK 2023 – Universitas Islam Indonesia.

- Responsible for the technical operational activities of the entire preparation, implementation to preparation of the Accountability Report The answer (LPJ) for PORSEMATIK 2022 activities.
- Forming the PORSEMATIK 2022 Organizing Committee.
- Doing controlling the implementation of activities and finances PORSEMATIK 2022
- Conduct daily evaluations related to the implementation of PORSEMATIK 2022.
- Leading meeting at PORSEMATIK 2022.

Commission B staff of the Steering Committee PORSEMATIK 2023 – Universitas Islam Indonesia.

September 2022 – November 2022

- Make rules, sanctions, and mechanisms for imposing sanctions on committee, participants, invited guests, and visitors to PORSEMATIK 2022
- Make Standard Operating Procedure (SOP) and Risk Management for committee, participants, visitors, and invited guests of PORSEMATIK 2022
- Create the structure, duties, authority, and relationship management of the Organizing Committee PORSEMATIK 2022

AWARDS

TOP 10 LISK BUILDER CHALLENGE ROUND 1 – LISK BUILDER CHALLENGE ROUND1 by Lisk, IDR, Xellar, and BlockdevID.

The Lisk Builders Challenge is a national blockchain hackathon organized by Lisk and BlockDevID from March to May 2025. The program provided online workshops and mentorship over three months, culminating in a hybrid Demo Day in Jakarta. It aimed to foster innovation and blockchain adoption in Indonesia. From numerous participants, only 10 teams were selected for the final round. My project is Freex, a Web3 cryptocurrency payment gateway that enables businesses to accept

crypto payments seamlessly. The platform offers ultra-low fees (0.1%), stablecoin-based transactions via IDRX, real-time payment tracking, and easy API integration for developers. It is designed to make crypto payments accessible, stable, and secure for businesses of all sizes.

MAMMOTHON INTERNATIONAL HACKATON 1ST PLACE – Global hackathon by Encode and the Celestia Foundation 2025

Mammothon is a global hackathon co-hosted by Encode Club and Celestia Foundation, running from February 1st to 28th, 2025. The event invites visionary developers and creators to build unstoppable applications using modular blockchain technology. My project is wearelazydev, a cutting-edge platform where developers earn rewards through Pull Requests (PRs) and bug fixes. Powered by Celestia blockchain and zero-knowledge TLS (zkTLS), we ensure secure, private, and fair validation of contributions. Once a PR is merged, developers can manually claim their tokens without waiting for the owner to release funds.

IHH WEB3 HACKATON 2nd PLACE – INDONESIA HACKERHOUSE HACKATON 2025 by Manta Network and Blockdev.id

The IHH WEB3 HACKATON is an innovative competition organized by Manta Network and Blockdev.id, aimed at promoting the development of blockchain and Web3-based solutions in Indonesia. This event invites developers, designers, and innovators to collaborate in creating applications and projects that can have a positive impact on society. With a focus on innovation, collaboration, and education, this hackathon provides a platform for participants to enhance their skills in blockchain technology through various workshops and training sessions. My project is called IDLE, which stands for Intelligent Decentralized Launchpad Ecosystem Protocol Layer for Autonomous AI AGENTS. Every token launched through IDLE comes with its own dedicated AI agent, specifically designed for it! These agents are fully customized, operating freely and independently on the Manta Network and Sonic Labs.

STARTUP HACKATON 1ST PLACE – ASTRO 6.0 2024 by Kementerian Pendidikan dan Olahraga

The Startup Hackathon is a competition organized by Kementerian Pendidikan dan Olahraga from October 2024 to December 2024 for students across Indonesia, aimed at promoting innovation and the development of technology-based solutions to address various social and economic challenges. Team Kazuya, consisting of Zaky Irsyad Rais and Muhamad Daffa Raihan, successfully won 1st place with their innovative project called Bekaspakai Marketplace. Bekaspakai is a web-based marketplace platform for donations and the buying and selling of second-hand goods. The project was developed using Figma, Next JS, Express JS, Vercel, and Kamatera Cloud technologies.

TOP 58 TEAMS – HACKFEST 2023 by Hackfest Indonesia 2023 and Google Developers

Hackfest 2023 is hackaton held by GDSC Indonesia at February-March 2023 for university students across indonesia to build solution based on United Nation 17 SDGs. JACKALS, a dedicated team comprised of Adyuta Indra Adyatma, Javier Jinan M., and Galuh Ihsan N., has successfully created a web application known as Exprimer. Exprimer is a specialized website application that aims to deliver essential

mental health services, foster a platform for users to express their concerns, and furnish valuable mental health information to its user base. This innovative project has been developed using React JS technology.

BEST RATING TEAM 3rd PLACE – Informatics Expo 2023 Universitas Islam Indonesia

Building an e-commerce website with an integrated information system aims to boost sales and streamline business operations. It offers features like automated order processing, inventory management, personalized customer experiences, and secure payment systems. Additionally, it provides analytics for sales tracking, social media integration, and reliable customer support. By incorporating these functionalities, businesses can enhance their online presence, improve customer satisfaction, and drive growth in the digital marketplace.

EDUCATION

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka, Cloud Computing. February – July 2023. Grade: **A**

Universitas Islam Indonesia, Bachelor Informatics. 2021 – Current

CERTIFICATION

MBA in a Box: Business Lessons from a CEO by Udemy – October 2024

Submitted a Google Solution Challenge by Google Developer – July 2024

Belajar Membuat Aplikasi Back-End Untuk Pemula dengan Google Cloud by Dicoding – May 2024

Menjadi Google Cloud Engineer by Dicoding – May 2024

Belajar Penerapan Machine Learning dengan Google Cloud by Dicoding – May 2024

Belajar Dasar Pemograman Javascript by Dicoding – May 2024

Belajar Dasar Pemograman Web by Dicoding – May 2024

Participant of Hackfest 2024 by Google Developers and Hackfest 2024 – May 2024

The Bits and Bytes of Computer Networking by Google and Coursera – February 2024

System Administrated and IT Infrastructure Services by Google and Coursera – February 2024

Juara 3 Tim Rating Terbaik by Informatics Expo 2023 Universitas Islam Indonesia – July 2023

Top 58 Teams of Hackfest 2023 by Google Developers and Hackfest 2023 – May 2023

Belajar HTML, CSS, Javascript, PHP, dan MySQL by Udemmy – January 2023

Community Summit Career Day 2002 by IT Centrum, GDSC UII, and IBISMA – December 2022

Staff Komisi B Porsematik 2022 by Himpunan Mahasiswa Informatika Universitas Islam Indonesia – November 2022

Ketua OC Porsematik 2022 by Himpunan Mahasiswa Informatika Universitas Islam Indonesia – November 2022