

# AHMAD RAFIUL MAHDI, S.T. - [rafiulm.com](https://rafiulm.com)

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Software engineer with strong passion in building web applications utilizing React, Next js, and Golang. Experienced in leading and building web apps as a full-stack developer in projects such as integrated ecommerce, POS, inventory management, learning management system, recruitment and applicant tracking, and GIS. Have successfully worked for numerous clients through freelancing and employments, handling budgeting, business analysis, and project management.

## EDUCATION

### Universitas Indonesia – Faculty of Engineering

2017 - 2021

- Bachelor of Engineering with **GPA of 3.48, IELTS Academic Band 8.0, TOEFL of 620**
- Majoring in Computer Engineering
- Graduated at 20 years-old
- Thesis topic on Object Recognition using Deep Neural Networks (Machine Learning)

### Al-Azhar 2 Pejaten Islamic Senior High School

2015 - 2017

- Math and Science
- Graduated in 2 years (acceleration program)

## WORK EXPERIENCES

### PT Ceria Nugraha Indotama (Nickel Mining and Refining)

Feb 2021 – Present

#### Quality Assurance and Full-stack Developer

- Project lead for the Company Profile Web development, Applicant Tracking System, and Heavy Mining Equipment Simulators
- Develop the recruitment and applicant tracking system as a full-stack developer using Next js and postgresql
- Enhance operational efficiency by evaluating software solutions for business process optimization.
- Software testing and user flow optimization
- DevOps for ERP systems hosted on the cloud, preparing production deployments
- Establish and maintain a CI/CD pipeline
- Introduced and enforce the Gitflow model for a better collaborative development
- Design UI/UX for the company superapp

### PT Henan Putihrai Asset Management (Financial Services)

Dec 2022 – Present

#### UI/UX Design and Web Development (Dec 2022 - Feb 2023)

#### Software Engineer (Mar 2023 - Present)

- Designing and refining web application architectures
- Generating Entity-Relationship diagrams and implementation with PostgreSQL
- Crafting web applications using React.js, leveraging the Material UI library and adhering to the atomic design principle for a better developer experience
- Constructing full-stack applications with Next.js 13, exploring server-side rendering paradigms
- Constructing an Express.js REST API web server following the MVC architecture
- Overhauling website UI/UX

### PT Temui Inovasi Kuantum (IT Solutions)

Dec 2022 – Sept 2023

#### Front-End Engineer (Jan 2023 - Present)

- Develop modern web applications with Next js, including Learning Management System, Classroom App, Content Management System, Map Visualization System.
- Create a mobile application using Flutter that combines location tracking and information delivery functionalities

### Nasdigital (IT Solutions)

Feb 2023 – Apr 2023

#### Lead Developer

- Lead the software development team in creating a restaurant management app made for small and medium enterprises to boost productivity and enable effective monitoring of business processes

### PT Dioti Solusi Teknologi (IT Services)

June 2020 – Aug 2020

#### UI/UX Designer

- UX research and UI design for a Super App owned by Astra Digital (venture builder of Astra International)
- Worked in a small team utilizing the Scrum Framework, reporting to the Project Manager

## **ORGANIZATION EXPERIENCE**

### **Public Relations Ambassador for Universitas Indonesia**

**2020**

#### **Duta Humas Universitas Indonesia**

- Representing Universitas Indonesia in expos and other major events
- Facilitate the public by spreading information about Universitas Indonesia, mainly regarding the admission process
- Became a co-host in an Instagram Live of the "UI Open House" event, live-streamed on the official Instagram Page of Universitas Indonesia and viewed by thousands of people
- Creating posters and video content for the official social media pages of Universitas Indonesia

### **Ikatan Mahasiswa Elektro FTUI (IME FTUI)**

#### **Head of Public Relations**

**2019**

- Led the public relations division, consisting of 14 members
- Responsible for representing the whole organization in external affairs. Establishing, and maintaining good relations with stakeholders

## **PROJECTS**

### **1. Ecommerce Integrated with ERP – Johan Garage**

Full-stack Developer, Software Engineer

Tech used: Next js, supabase auth, postgresql, Material UI, Typescript, Drizzle ORM

### **2. Recruitment and Applicant Tracking System – PT Ceria Nugraha Indotama**

Full-stack Developer, Software Engineer

Tech used: Next js, supabase auth, postgresql, Material UI, Tailwind CSS, shadcn ui, Typescript, Drizzle ORM

### **3. Cerindocorp Company Profile – PT Ceria Nugraha Indotama**

Project Lead

Skills used: Budgeting, Project Management, Tender

### **4. Geolocation Tracking and Information System - PT Temui Inovasi Kuantum**

Front-end Engineer (Web and Mobile)

Tech used: Next js, Typescript, Material UI, Flutter

### **5. Sidedoc.ai (SaaS) – Freelance Project**

Full-stack Developer

Tech used: Next js, Typescript, Tailwind CSS, Supabase, Postgresql, OpenAI

### **6. Automated Seating (SaaS) – Freelance Project**

Full-stack Developer

Tech used: Next js, Typescript, Tailwind CSS, Shadcn UI, Supabase, Postgresql

### **7. Digital Greeting Cards Web App and SaaS – rayain.id**

Full-stack Developer

Tech used: AWS EC2, Go lang, Next js, Typescript, Tailwind CSS, Payment gateway (Midtrans)

### **8. Personal Portfolio – rafiulm.com**

Full-stack Developer

Tech used: Astro js, Typescript, Supabase, postgresql

### **9. Learning Management System – PT Temui Inovasi Kuantum**

Front-end Engineer

Tech used: Next js, Material UI

### **10. Account Registration on Web (ROW) – PT Henan Putihrai Sekuritas**

Full-stack Developer

Tech used: React js, Material UI, Express js, postgresql

### **11. Daily Report Generator – PT Henan Putihrai Asset Management**

Full-stack Developer

Tech used: Next js, Open AI API, web scraping, Material UI, Typescript

### **12. MyHero Product Website Revamp – PT Henan Putihrai Asset Management**

Front-end Developer, UI/UX Designer

Tech used: React js, Material UI, Figma

### **13. Point of Sales Web App – Naskopi**

Full-stack Developer

Tech used: Next js, supabase, postgresql

### **SKILL AND EXPERTISE**

React JS, Next JS, Astro, Typescript, HTML5, CSS, Material UI, Tailwind CSS, Shadcnui, Styled-components, Express JS, Go lang, Flutter, REST API, Bash Shell, Git, AWS EC2, Google Cloud Run, PostgreSQL, Supabase, Postman, Microsoft Office, Figma,