ZULKIFLI RAIHAN

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github.com/zulkifliraihan | zuran2907@gmail.com

OBJECTIVE

Seasoned Full-stack Developer with nearly 5 years of comprehensive experience across diverse industries, demonstrating expertise in both frontend and backend development. Proficient in multiple programming languages and frameworks, with a strong focus on building scalable and efficient applications. Core competencies include PHP (Laravel, CodeIgniter), JavaScript/TypeScript (Node.js, Express.js, Vue.js), and Golang (Gin, Fiber). Experienced in implementing automated testing solutions using Selenium and Cypress frameworks, and well-versed in both SQL and NoSQL database management. Additional expertise includes working with C#, .NET Framework, React.js, and Next.js. Committed to delivering high-quality, maintainable code while staying current with emerging technologies and industry best practices.

SKILLS AND ABILITIES

Programming Languages	:	PHP, JavaScript, TypeScript, Golang
Frontend	:	Vue.js, React.js, Next.js, jQuery, Tailwind
Backend	:	Laravel, CodeIgniter, Symfony, Node.js, Express.js, Nest.js, Adonis.js Gin, Fiber
Databases	:	MySQL, PostgreSQL, Mongo
Testing	:	Selenium, Cypress
DevOps	:	Git, Ubuntu, cPanel, Nginx, Docker, Azure, DigitalOcean

EXPERIENCE

Senior Backend Developer – bundesweit.digital GmbH   **09.2024 – Present**

Part Time – Germany

Tech Stack: Laravel, Express.js, Symfony, Gin, MySQL, PostgreSQL, Redis, Docker, Google Cloud, Minio

- Designed and developed REST APIs using various frameworks including Laravel, Express.js, Symfony, and Gin.
- Implemented comprehensive unit testing using PHPUnit, Pest, and Jest to ensure code quality.
- Managed and optimized MySQL and PostgreSQL databases performance for handling large-scale queries. Reduced query response time by 40% faster response time.
- Implemented microservices architecture to enhance system scalability.
- Developed authentication and authorization systems using JWT for application security.

- Created comprehensive API documentation using Postman, including parameter specifications (required/optional) and data types.
- Integrated social media APIs for automated content publishing to Facebook Page, Instagram, and TikTok.
- Implemented payment systems through Stripe payment gateway integration.
- Managed and optimized cloud storage using Google Cloud and Minio.

Full Stack Developer – C Channel Indonesia   **09.2022 – Present**

Full Time - Jakarta, Indonesia

Tech Stack: Laravel, Vue.js, Quasar.js, GraphQL, MySQL, Meilisearch, Minio, DigitalOcean

- Designed internal and public applications using Laravel, Vue.js, and Quasar.js .
- Managed and optimized MySQL databases for handling large-scale queries, achieving 30% faster response time.
- Implemented Meilisearch to enhance data search functionality and performance.
- Optimized data export system through query optimization, queue system development, large dataset chunking implementation, progress tracking mechanism, and memory usage optimization
- Developed authentication and authorization systems using JWT and OAuth2 for application security.
- Integrated social media APIs (Facebook, Instagram, TikTok) to analyze engagement metrics including likes, comments, views, and engagement rates. Reducing manual work by 60%
- Developed AI-powered automation system using Claude for campaign categorization and tagging based on content and scope of work.
- Implemented payment systems through Xendit payment gateway integration.

Software Developer – PT Arah Environmental Indonesia   **08.2022 – 03.2023**

Freelance - Jakarta, Indonesia

Tech Stack: Laravel, CodeIgniter, PostgreSQL, Selenium

- Developed a comprehensive E-Invoice system with automation features for Tax Invoice, E-Stamp, Receipt, Invoice, Document Certificate, Notes, and Official Reports generation with monthly scheduled automation. Reduce manual work by up to 75%.
- Built applications using multiple frameworks using Laravel, CodeIgniter, Express.js.
- Managed and optimized PostgreSQL database focusing on query optimization, database indexing, table partitioning, and query caching for handling large-scale data. Improved database query performance by 60% through optimization and caching implementation.
- Developed an efficient document export and generation system with parallel processing implementation, background queue jobs, batch processing, progress tracking, automated scheduling, and robust error handling.
- Implemented automation testing using Selenium.
- Integrated multiple external APIs with E-Materai Indonesia, Tax Invoice System, Digital Signature.

Technical Lead Developer – Telkom Indonesia   **06.2021 – 12.2022**

Full Time - Jakarta, Indonesia

Tech Stack: Fiber, Laravel, Express.js, React.js, Next.js, MySQL, PostgreSQL, Mongo, Cypress, Selenium, Docker.

Technical Lead Responsibilities:

- Led a cross-functional team of 3 Developers, 1 QA, and 1 Junior PM focusing on product delivery and quality.
- Developed and standardized PRD (Product Requirements Document) and FRS (Functional Requirements Specification) templates for development guidelines.
- Conducted and managed daily sprint meetings, weekly sprint retrospectives, and monthly performance reviews for team progress monitoring.
- Performed project timeline analysis and planning with team, including resource allocation and risk assessment.
- Implemented rigorous code review system to ensure code quality before staging and production deployment.

Developer Role:

- Designed and developed applications using Fiber, Laravel, and Express.js for backend, along with React.js and Next.js for frontend.
- Implemented comprehensive unit testing using PHPUnit, Pest, and Jest to ensure code quality.
- Managed and optimized multiple databases (MySQL, PostgreSQL, MongoDB) focusing on query optimization, database indexing, data replication, sharding strategy, performance tuning, and caching system implementation.
- Developed Single Sign-On (SSO) system enabling seamless authentication across multiple applications.
- Designed and implemented automation testing using Cypress and Selenium Framework for end-to-end testing.
- Managed Ubuntu-based cloud infrastructure for staging and production environments, including CI/CD pipeline implementation with GitHub Actions, Nginx load balancer configuration, Docker containerization, SSL/TLS security, automated backup system, and monitoring tools.
- Optimized and maintained WordPress-based landing pages and managed server using cPanel.

Software Engineer – Nawatech   **01.2022 – 06.2022**

Part Time - Jakarta, Indonesia

Tech Stack: C#, .NET Framework, SQL Server.

- Designed and developed lecturer compensation calculation system for Binus University using C# and .NET Framework with microservices architecture implementation
- Developed RESTful API with complex compensation calculation features based on teaching hours, academic level, and performance bonuses

- Managed and optimized SQL Server database focusing on query optimization, stored procedures, database indexing, performance tuning, and caching implementation to improve response time

IT Programmer – LPKN Training Center   09.2020 – 09.2021

Full Time - Jakarta, Indonesia

Tech Stack: Laravel, CodeIgniter, React.js, Vue.js.

- Developed internal management system using multiple frameworks including Laravel, CodeIgniter for backend and React.js, Vue.js for frontend interface
- Designed and developed comprehensive E-Procurement system for BUMN Jasamarga including Vendor Management System, General Procurement Planning, E-Dashboard Analytics, and E-Tender Platform
- Managed and optimized MySQL database with implementation of query optimization, database indexing, table partitioning, replication strategy, backup automation, and performance monitoring for high-traffic applications
- Managed Ubuntu-based VPS and cPanel infrastructure, including Nginx web server configuration, SSL/TLS security, Supervisor process manager, load balancing, automated backup system, and server monitoring tools.

EDUCATION

STT Terpadu Nurul Fikri – Jakarta, Indonesia   **2021 - Present**

Computer Science Degree

Bootcamp Sekolah Programmer – Jakarta, Indonesia   08.2019 - 11.2019

by Nurul Fikri Computer & YBM PLN

COMMUNICATION

- Led and facilitated daily sprint meetings, weekly retrospectives, and monthly performance reviews with cross-functional teams.
- Conducted knowledge sharing sessions and technical training for junior developers.
- Collaborated effectively with international clients and remote teams across different time zones

LEADERSHIP

- Successfully led a cross-functional team of 5 members (3 Developers, 1 QA, 1 Junior PM) at Telkom Indonesia
- Implemented standardized development processes and best practices that improved team productivity by 40%
- Spearheaded the adoption of new technologies and frameworks across multiple projects

PORTFOLIO

Zulkifli Raihan
https://github.com/zulkifliraihan
Fullstack Developer

Projects (Latest – Oldest)

1. **Adfinity**

   Adfinity is an advertising service provider for Facebook, Instagram, TikTok, and Google. It offers various ad customizations, such as targeting specific locations, audiences based on gender and age, and more. Users can also integrate their accounts directly with Adfinity for seamless ad management.
   - Back-end: PHP, Laravel
   - Front-end: Livewire
   - Database: MySQL
   - Integrations: Google Maps API, Google API, API Meta (Facebook & Instagram), Tiktok

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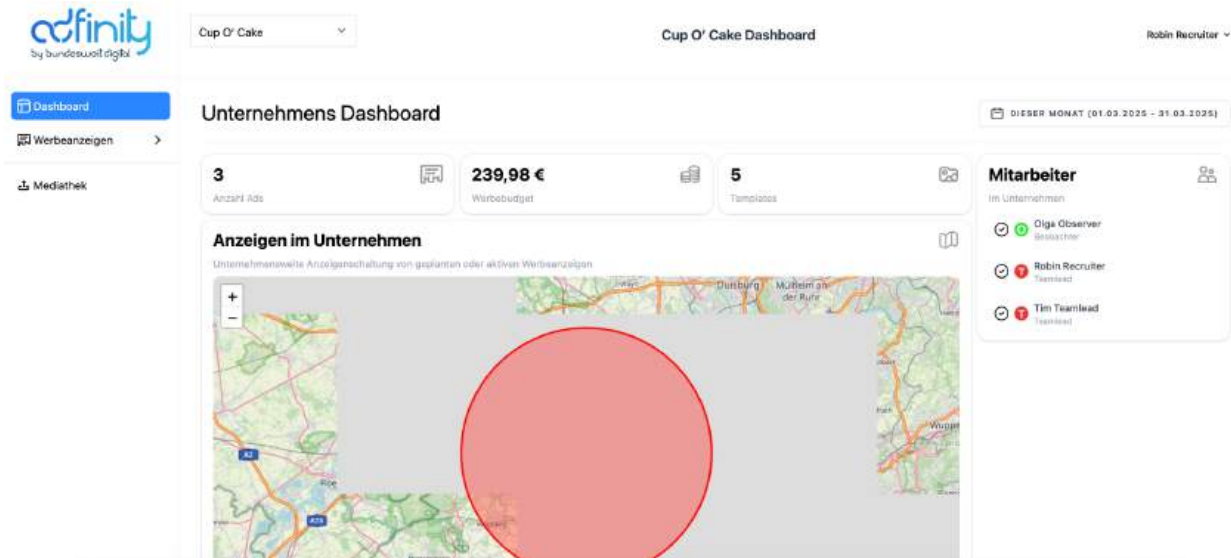
2. **Vidfee**

   Vidfee is a video platform where users can review hotels, restaurants, bars, and more. It also offers a business model for hotel, restaurant, and bar owners to subscribe to Vidfee. Business owners can integrate their accounts with Instagram, Facebook Pages, and TikTok to publish or share their videos directly from Vidfee to their respective social media platforms
   .Back-end: Typescript, Node JS (Express.js)
   - Front-end: Next.js
   - Database: MySQL
   - Integrations: Backblaze B2, API Meta (Facebook & Instagram), Tiktok

3. **Proxxolut**

   Proxxolut is a CRM service specifically designed for the German market.
   - Back-end: Typescript, Node JS (Express.js)
   - Front-end: React.js
   - Database: MySQL

4. **The Wedding Jungle**

   The Wedding Jungle is a wedding planning service that covers everything from initial planning, concept development, guest list management, venue selection, budgeting, and various vendor services, including photographers & videographers, music, catering, and more.
   - Back-end: PHP
   - Front-end: Symfony
   - Integrations: Stripe

5. **Infynu**

   Infynu is a company landing page specializing in IT Talent Acquisition (providing IT talent resources). I worked as the Backend Developer, responsible for preparing the content page API in two languages: English and German. Additionally, I implemented the talent search flow based on specific requirements and various tech stacks.

   - Back-end: Go, Gin
   - Database: MySQL
   - Integrations: Google Calender
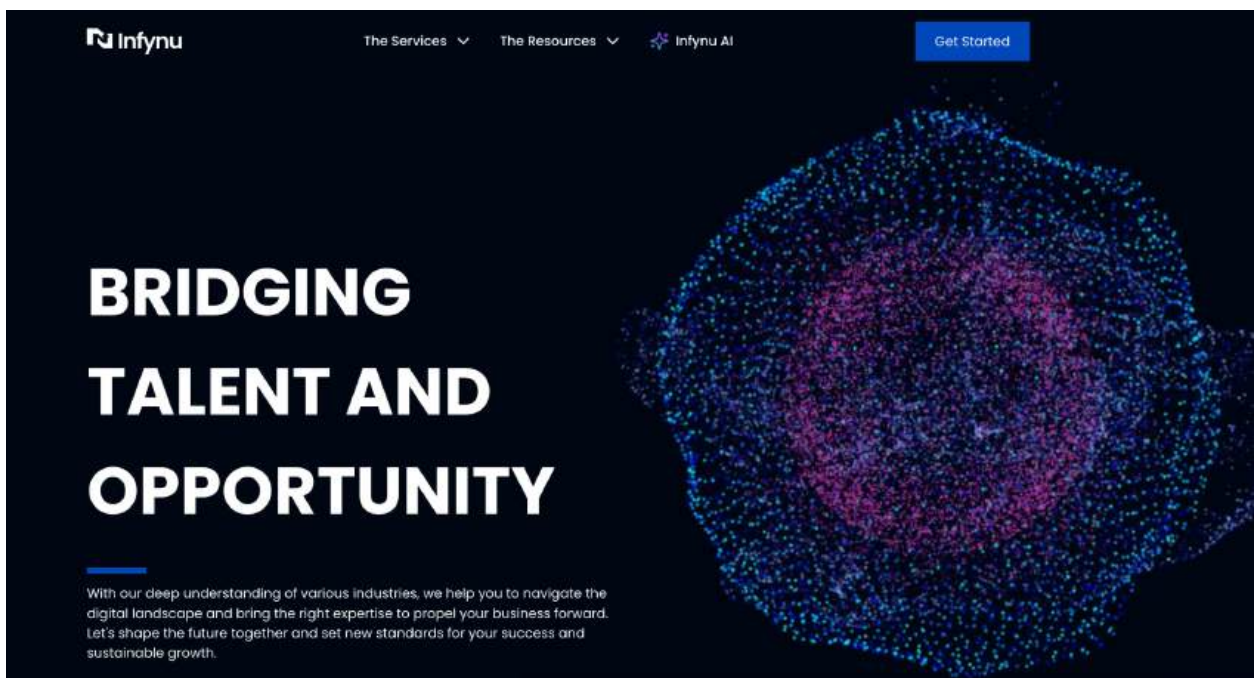
6. **Atari (C Channel Indonesia)**

   Atari is an internal dashboard for C Channel Indonesia. This dashboard is used to monitor ongoing campaigns, manage inquiry lists, and create inquiries before launching a campaign. It also allows importing influencers and merging duplicate influencer accounts. In Atari, users can view influencer profiles along with various data, including social media statistics from Instagram, TikTok, and YouTube, as well as campaign performance statistics for each influencer.

   - Back-end: PHP, Laravel
   - Front-end: Livewire, Tailwind
   - Database: MySQL & SQLite
   - Integrations: API Tiktok, API Meta (Facebook & Instagram)

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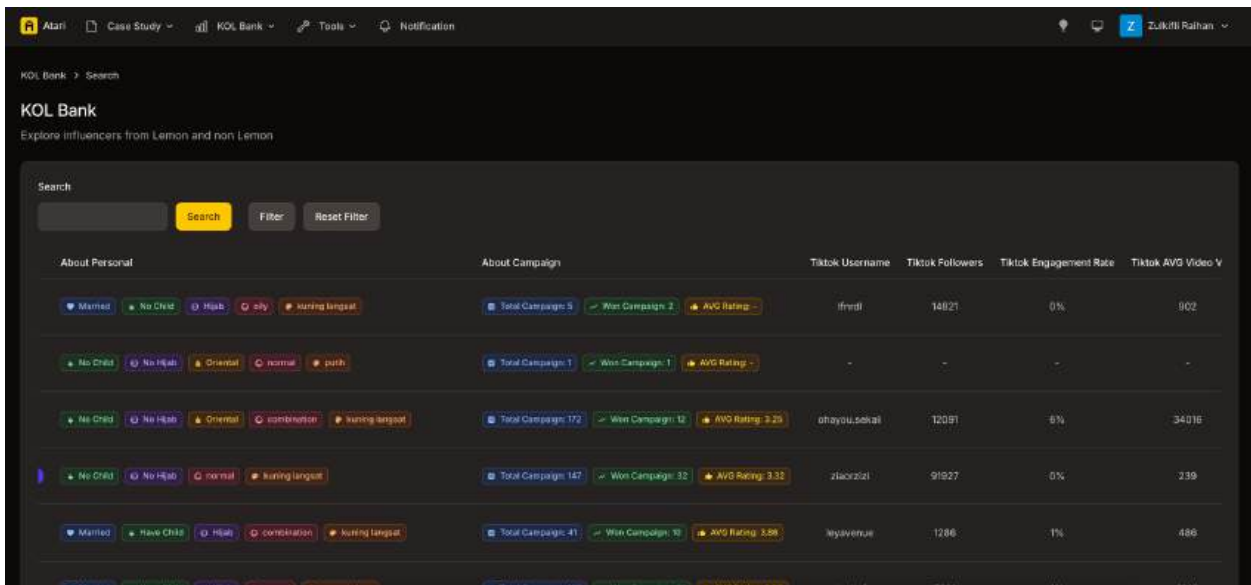
7. **IRM Lemon APP (C Channel Indonesia)**

   IRM Lemon is a platform developed by PT. C Channel Indonesia that facilitates brands in promoting their products through influencers who have partnered with C Channel Indonesia. It also allows influencers to engage with brands and endorse products online. Essentially, this

application is quite similar to Neo Lemon & KOL Lemon App, but it incorporates several new features unique to IRM. And The technology stack used in the development of Neo Lemon includes :
- Back-end: PHP, Laravel
- Front-end: Javascript & Typescript, Vue JS
- Database: MySQL
- Integrations: API Meta (Facebook & Instagram), API Tiktok, Payment Gateway, GraphQL, and others
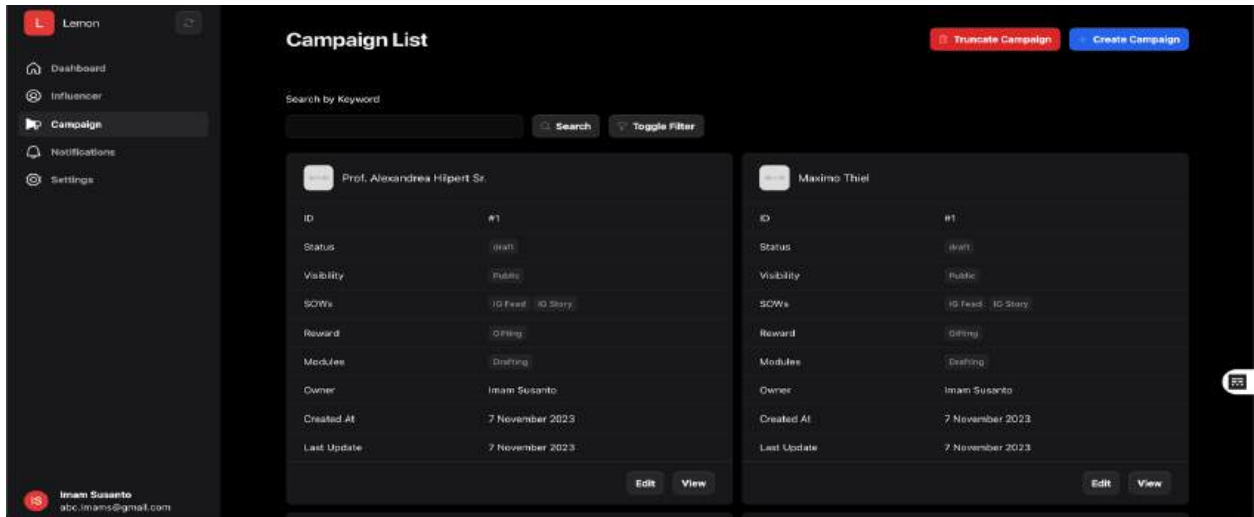
8. **Neo Lemon APP (C Channel Indonesia)**

Neo Lemon is a platform developed by **PT. C Channel Indonesia** that helps brands to advertise their products through influencers who have partnered with C Channel Indonesia. The platform offers various ad display packages that can be customized according to the brand's needs, from ad display in video content to promotion through social media. The technology stack used in the development of Neo Lemon includes :
- Back-end: PHP, Laravel
- Front-end: Javascript & Typescript, Vue JS
- Database: MySQL
- Integrations: API Meta (Facebook & Instagram), API Tiktok, Payment Gateway, GraphQL, and others
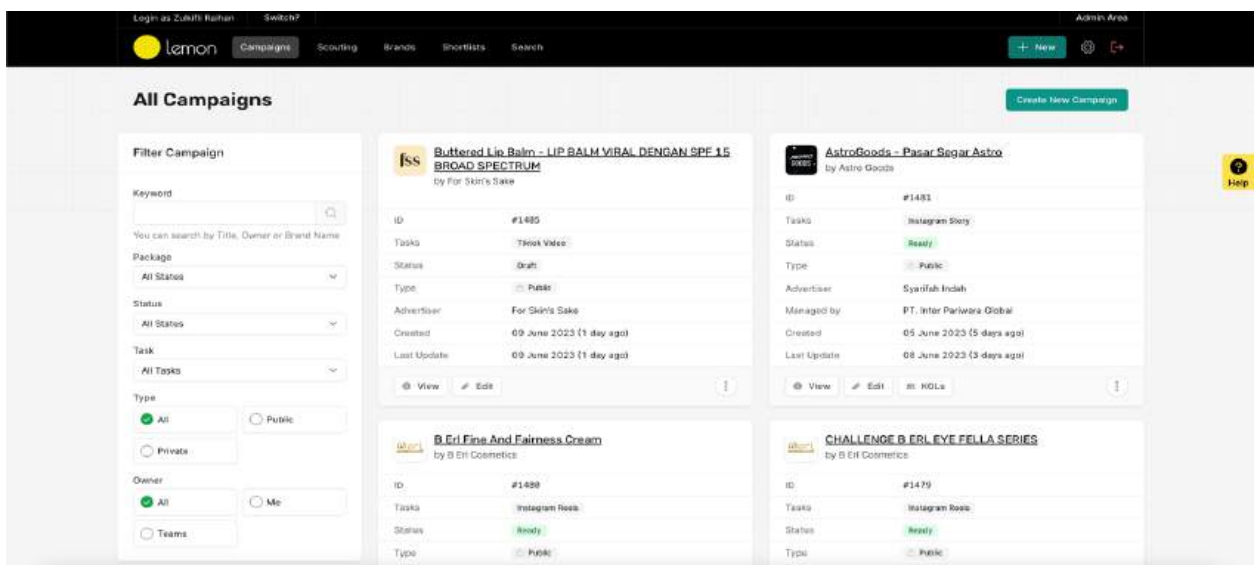
9. KOL Lemon (C Channel Indonesia)

KOL Lemon is an application that enables influencers to connect with brands and promote products online. The app is developed by **PT. C Channel Indonesia**, a health and fitness company in Indonesia. KOL Lemon makes it easier for influencers to manage their promotional campaigns and provides access to various analytical data that can help them optimize their campaign performance. The technology stack used in the development of KOL Lemon includes :

- Front-end: Javascript & Typescript, Vue JS PWA
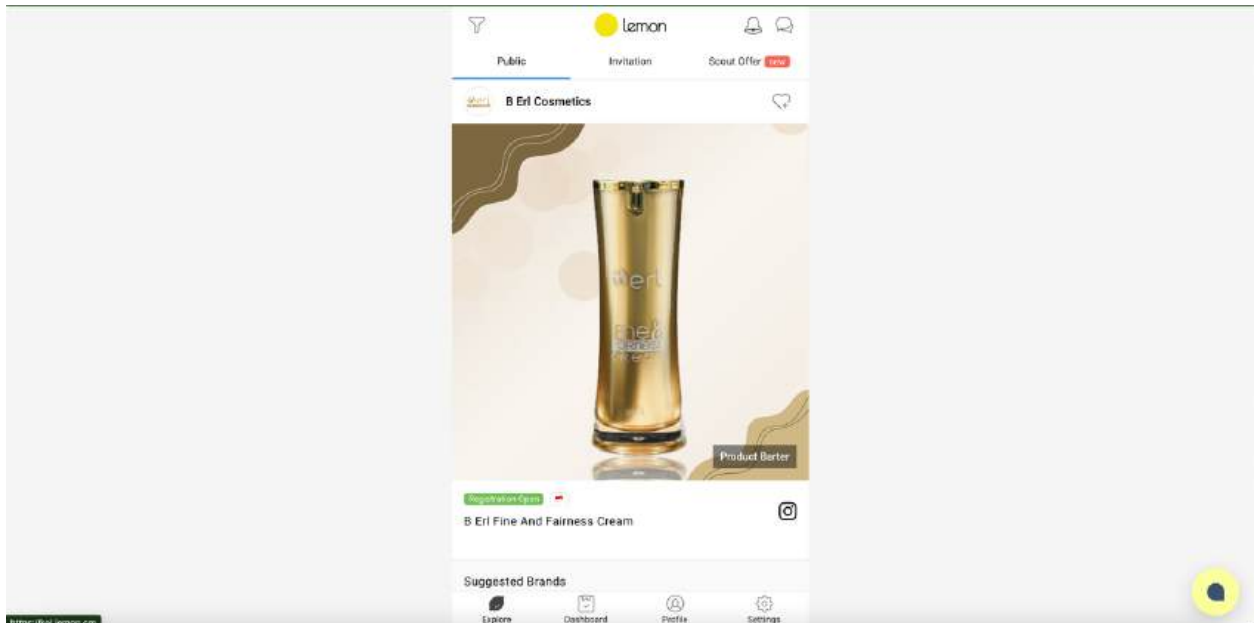
10. Chatbot WhatsApp

The Whatsapp Chatbot is an intelligent chatbot platform integrated with Whatsapp to assist admins in efficiently responding to direct messages (DMs) without the need to be online 24/7. This chatbot is equipped with Azure LUIS AI, allowing it to automatically understand and match incoming messages to specific categories or criteria to generate appropriate responses. The technology stack used in the development includes :

- Back-end: Typescript, Node JS (Express JS)
- Integration: Whatsapp Package API, Azure LUIS AI
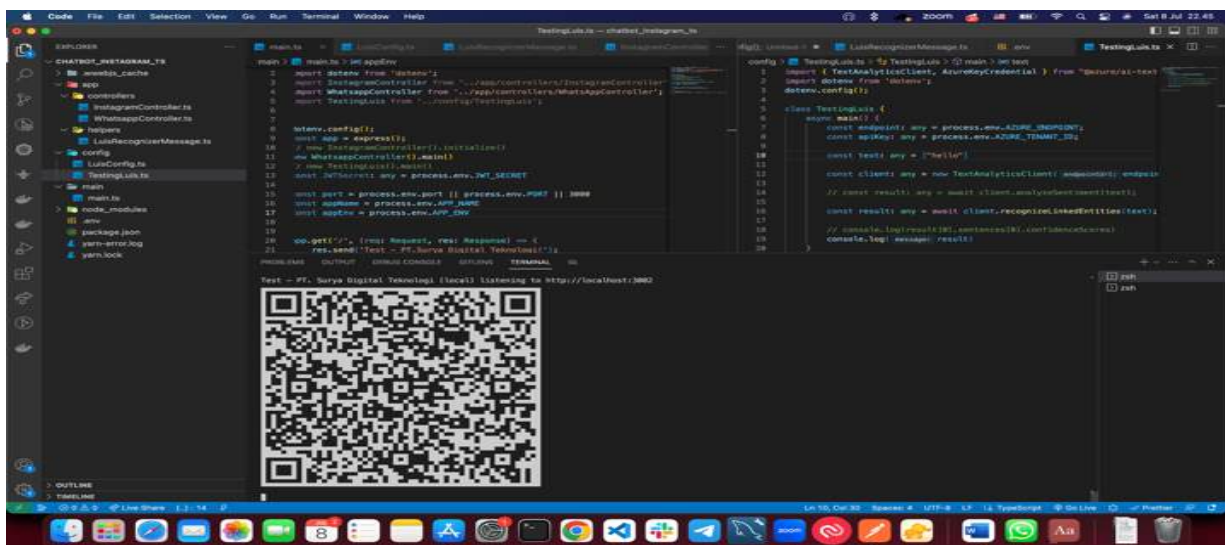
11. E-Invoice (PT. Arah Environmental Indonesia)

E-Invoice is an electronic invoicing application developed for PT. Arah Environmental Indonesia's internal use. The app is designed to simplify the process of creating and managing invoices electronically. E-Invoice comes with features such as downloading invoices in ZIP or PDF and sending emails to customers along with the e-invoice file to facilitate the payment process. With E-Invoice, businesses can streamline their invoicing processes and reduce the need for manual invoicing. The technology stack used in the development of E-Invoice includes :

- Back-end: PHP, Laravel, Typescript, Node JS (Express JS)
- Front-end: PHP, CodeIgniter (CI), Javascript, JQuery
- Database: PostgreSQL
- Integration: API E-Materai, API Faktur Pajak, and others.
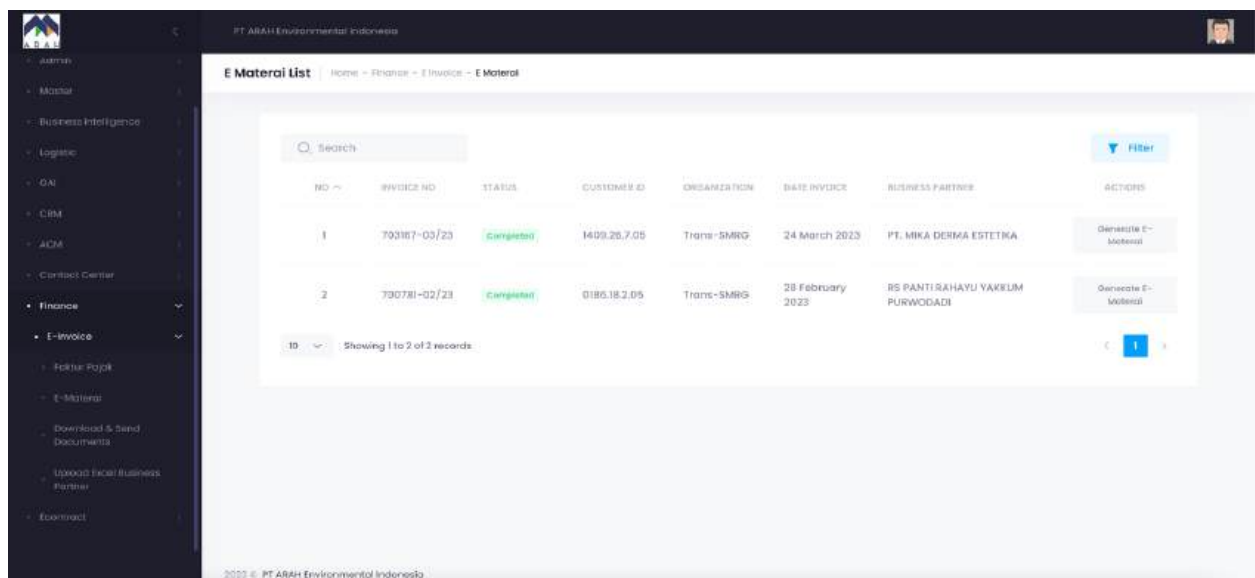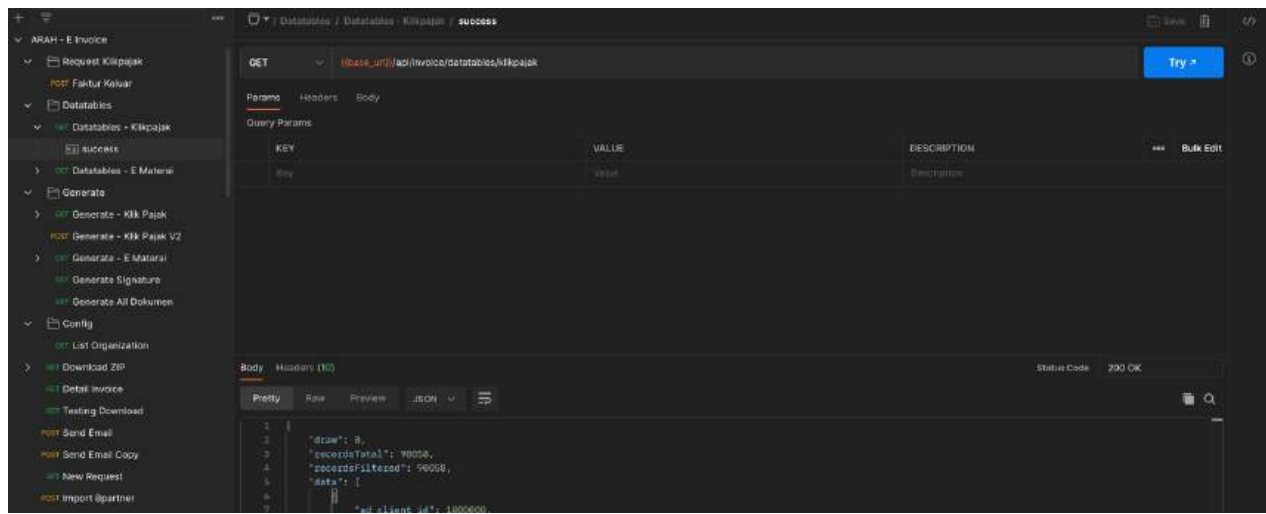
12. Chatbot Instagram

The Instagram Chatbot is an intelligent chatbot platform integrated with Instagram to assist admins in efficiently responding to direct messages (DMs) without the need to be online 24/7. This chatbot is equipped with Azure LUIS AI, allowing it to automatically understand and match incoming messages to specific categories or criteria to generate appropriate responses. The technology stack used in the development of Pesantren Hub includes :

- Back-end: Javascript, Node JS (Express JS)
- Integration: Instagram Package API, Azure LUIS AI
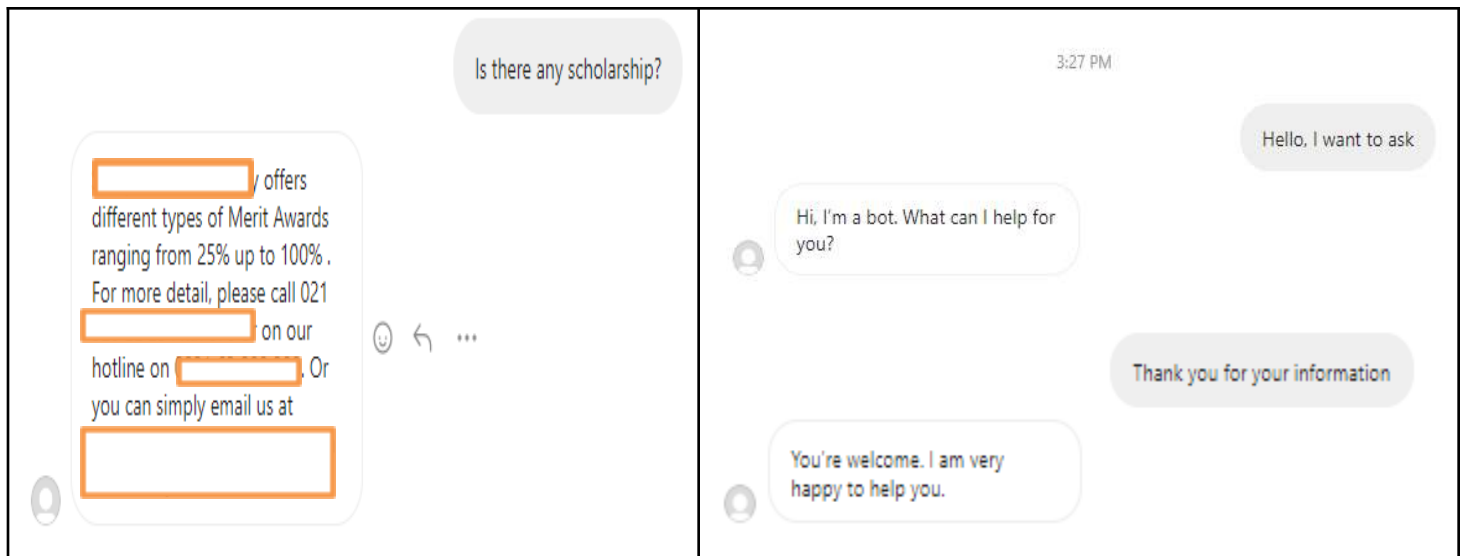
How to apply in this university?

Just login to

apply/ and follow the simple step below:
- Fill in the online application form
- Submit scan/copy of your last one year transcript (semester 1&2 report card of your last grade)
- Pay IDR 500,000 application fee (non-refundable)
- Schedule your Placement Test
- Take our English & Math entrance test:
a. 1st test - Basic Skill Test (English Reading, Writing, Listening
b. 2nd test - Advanced Skill Test (English Reading, Writing, Mathematic)

Can I get the faculty information?

In the [   ], we have 3 faculty, such as:
1. Faculty of Business (FoB)
- Entrepreneurship
- Banking & Finance
- Digital Marketing
- Accounting
2. Faculty of Engineering and Technology (FET)
- Mechanical Engineering
- Industrial Engineering
- Visual Communication Design
- Computer Science / (Electrical and Computer Engineering)
- Information Systems
3. Faculty of Education (FOE)
- English Language Education
- Mathematics Education

Double degree with Arizona University is av[   ]Faculty of Engineering and Technology: Mechanical Engineering, Industrial Engineering, Computer Science / Electrical Computer Engineering, and Information System / Applied Computing. Then, for Faculty of Business is available only for Management.

13. Pesantren Hub (Telkom Indonesia)

Pesantren Hub is a powerful backend application developed to provide a centralized hub for all pesantren-related information. The app is designed to be a reliable and efficient solution for users to find the information they need for each pesantren, making it a central source for pesantren-related information. To achieve this, Pesantren Hub is integrated with various databases, including the Ministry of Religious Affairs' and Telkom Indonesia's databases, enabling it to map and locate pesantren throughout Indonesia. This integration allows the app to provide complete and accurate pesantren information for users. The technology stack used in the development of Pesantren Hub includes :

- Back-end: Go, Fiber
- Database: PosgresSQL
- Integration: Database Ministry of Religious Affairs Indonesia
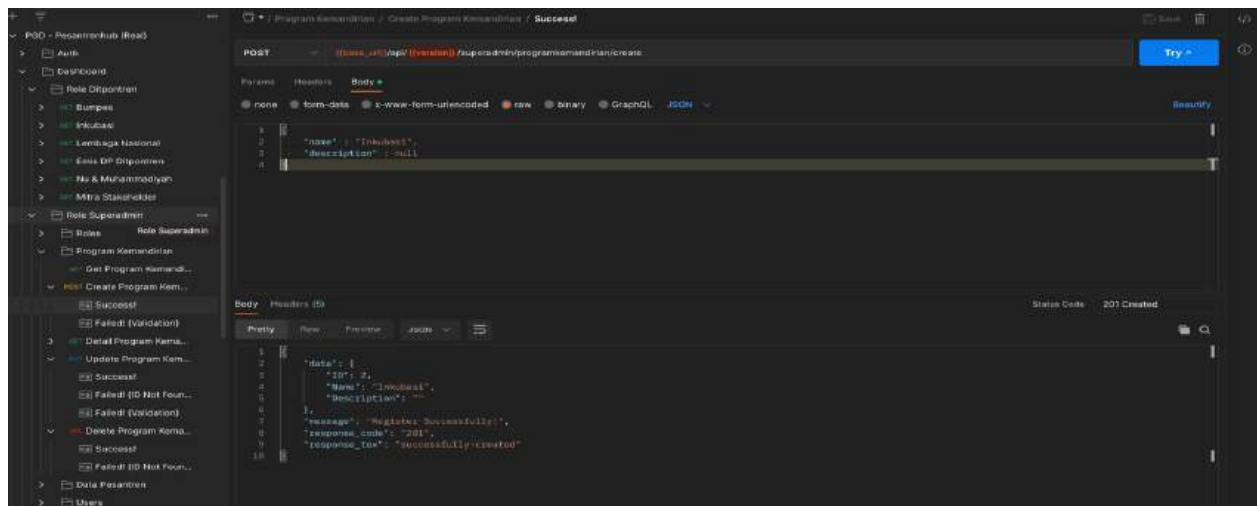
14. Store PGD (Telkom Indonesia)

Store PGD is a platform developed by Telkom Indonesia for pesantren (Islamic boarding schools) that face various challenges. This platform serves as a solution to address their specific issues. For example, it provides Internet connectivity solutions through services like Indihome or Orbit. The technology stack used in the development of Store PGD includes :

- Back-end: PHP, Laravel
- Frond-end: Javascript, JQuery, Laravel
- Database: MySQL
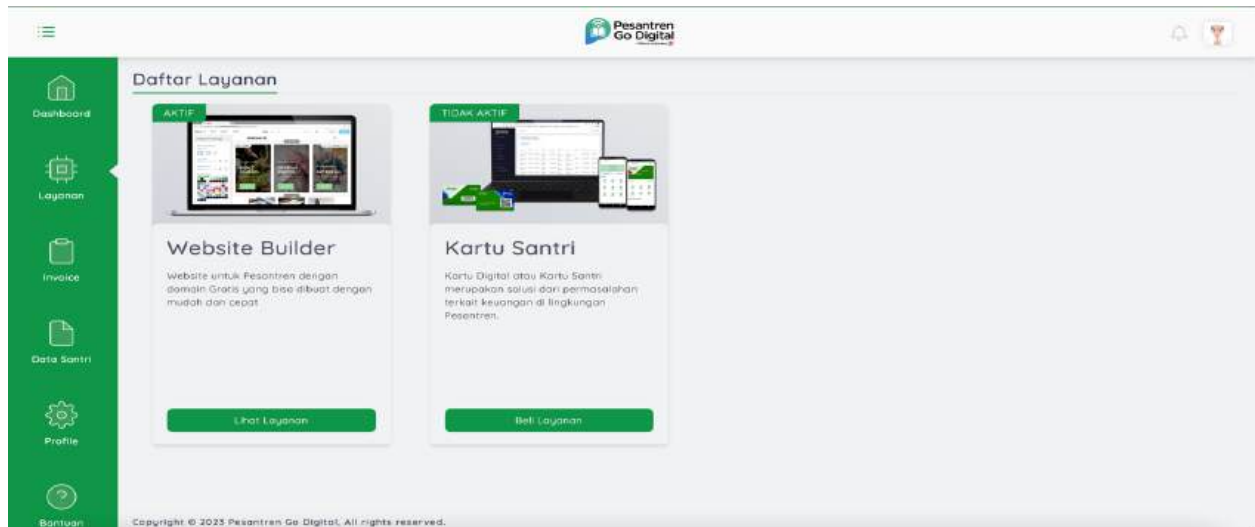
15. Website Builder (Telkom Indonesia)

Website Builder is a platform provided by Telkom Indonesia to offer a solution for pesantren (Islamic boarding schools) to easily create their own websites without the need for coding. This project can be considered as a simplified version of WordPress, enabling users to quickly build websites without hassle. The technology stack used in the development of Website Builder includes :

- Back-end: PHP, Laravel
- Frond-end: Javascript, Next JS
- Database: MySQL
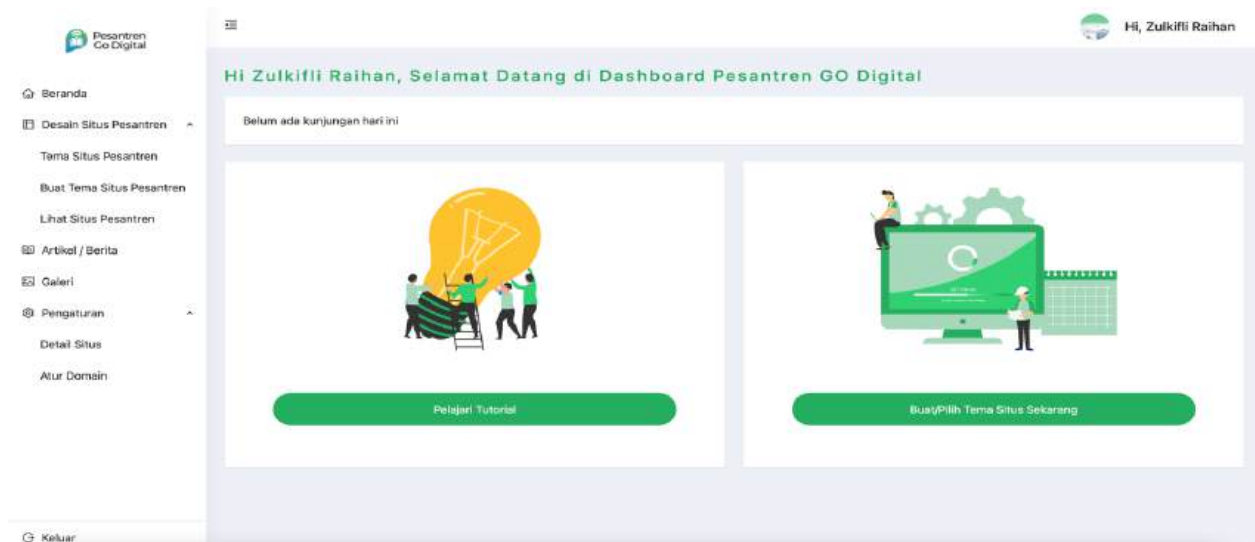
16. Binus Honor

Binus Honor is an application developed by Nawatech for Binus University. This application is specifically designed to manage the honorarium of the university's lecturers, the lecturer attendance system, and other internal aspects. Through Binus Honor, lecturers can easily submit honorarium requests, manage attendance, and access information regarding honor payments. The application accelerates administrative processes, enhances transparency, and improves efficiency in managing lecturer honorarium at Binus University. The technology stack used in the development of Binus Honor includes :

- Back-end: C#, .NET Core
- Frond-end: Javascript, JQuery
- Database: MySQL
- Integration : API Internal Binus University
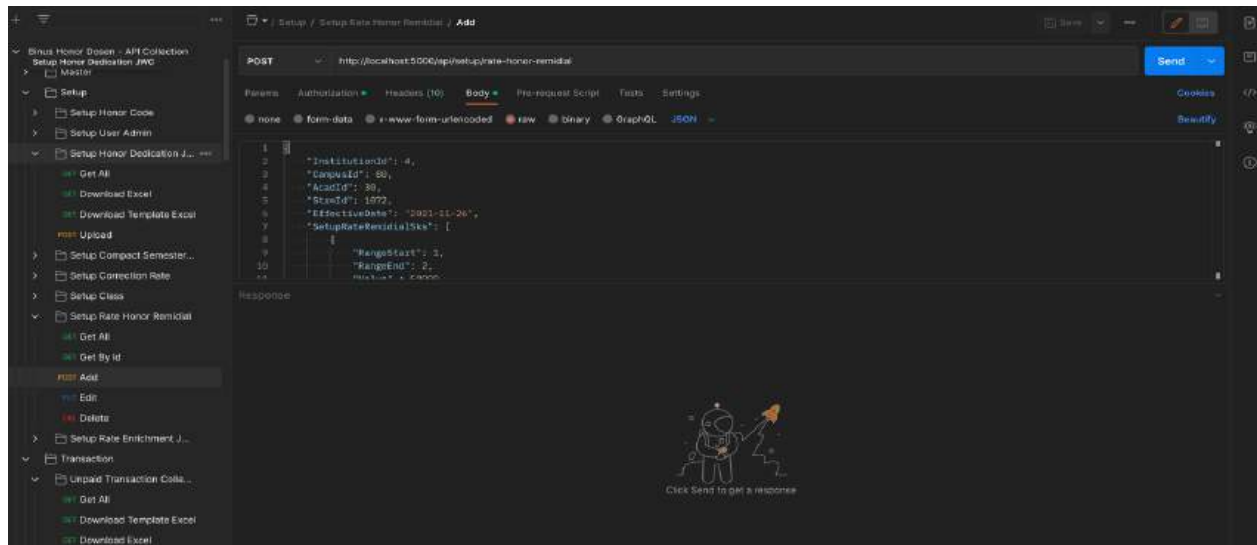
17. Daftar Rekanan Jasamarga / Jasamarga Contractor List - DRJM (LPKN Training Center)

Daftar Rekanan Jasamarga / Jasamarga Contractor List (DRJM) is a project developed by developed by LPKN Training Center for Jasamarga to create and manage a database of contractors or business partners collaborating with the company. DRJM serves as a system that records and manages information related to contractors, such as company data, qualifications, work experience, and their availability to participate in Jasamarga projects. This system helps Jasamarga in selecting and establishing effective partnerships with high-quality contractors. The technology stack used in the development of DRJM includes :

- Back-end: PHP, Laravel
- Frond-end: Javascript, JQuery, Laravel
- Database: MySQL

18. Rencana Umum Pengadaan – RUP (LPKN Training Center)

The General Procurement Plan (RUP) is a project developed by LPKN Training Center for Jasamarga. The project aims to implement an e-procurement system for Jasamarga, providing an efficient and transparent process for the procurement of goods and services. Enabling the vendors to access tender information, submit bids, and facilitate the entire procurement process online. The technology stack used in the development of RUP includes :

- Back-end: PHP, Laravel
- Frond-end: Javascript, JQuery, Laravel
- Database: MySQL

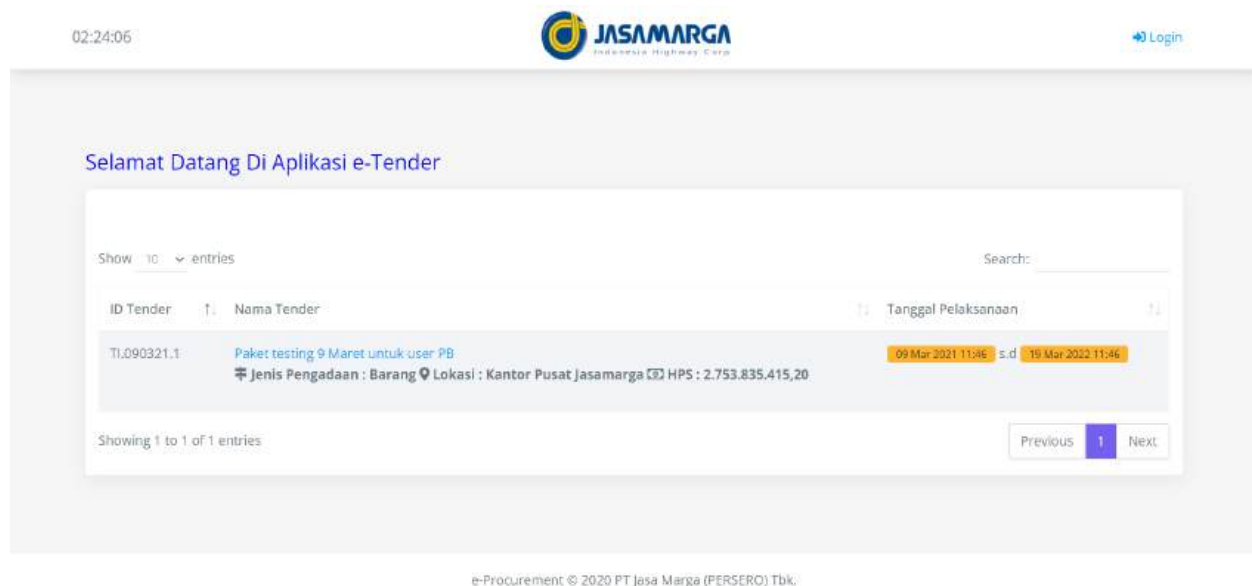## 19. E-Tender (LPKN Training Center)

E-Tender is a project developed by by LPKN Training Center for Jasamarga to implement an electronic tendering system (e-tender). The E-Tender platform enables the entire tendering process to be conducted online, from tender announcements and document submissions to evaluation and selection of tender winners. The project aims to enhance efficiency and

transparency in the tendering process. The technology stack used in the development of E-Tender includes :
- Back-end: PHP, Laravel
- Frond-end: Javascript, JQuery, Laravel
- Database: MySQL

20. E-Dashboard (LPKN Training Center)

E-Dashboard is a project developed by Jasamarga to create a digital dashboard that consolidates data from three previous applications: Jasamarga Contractor List (DRJM), General Procurement Plan (RUP), and E-Tender. The dashboard aims to provide a comprehensive overview of information related to contractors, procurement processes, and tender execution in a user-friendly interface. E-Dashboard provides interactive data visualization, facilitating effective management and decision-making for Jasamarga. The technology stack used in the development of E-Dashboard includes :
- Back-end: PHP, Laravel
- Frond-end: Javascript, JQuery, Laravel
- Database: MySQL
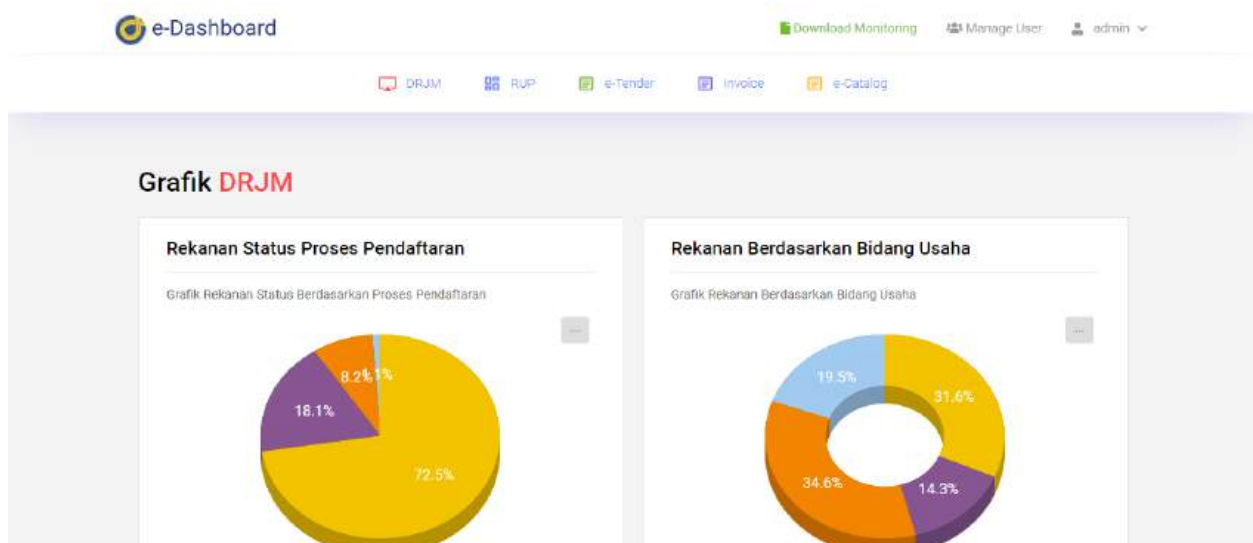
21. Broadcast Whatsapp (LPKN Training Center)

Whatsapp Broadcast is a project developed to provide a mass communication solution through the Whatsapp platform. This project enables users to send messages in bulk to a specified list of contacts, making it convenient to deliver information or promotions to a target audience efficiently. Leveraging the latest technology, this project ensures fast and accurate message delivery to multiple recipients simultaneously. The technology stack used in the development of Broadcast Whatsappincludes :

- Back-end: PHP, Laravel
- Frond-end: Javascript, React JS
- Database: MySQL
- Integration : API Whatsapp

22. Infopelatihan

Infopelatihan is a marketplace provided by LPKN Training Center. This marketplace is used by training organizers to advertise various types of training, seminars, certifications, and other events. Through Infopelatihan, training organizers can easily promote and sell their courses to prospective participants. The platform facilitates training organizers in expanding the reach and visibility of the trainings they offer, thereby enhancing opportunities for participant engagement. The technology stack used in the development of Infopelatihan includes :

- Back-end: PHP, Laravel
- Frond-end: Javascript, JQuery
- Database: MySQL

23. Sistem Informasi Kepegawaian - Human Resources Information System (Bootcamp Sekolah Programmer)

Sistem Informasi Kepegawaian - Human Resources Information System is a project developed as a final project during the Sekolah Programmer Bootcamp. This project aims to develop a system that facilitates the management of employee data within an organization. The system includes various features such as employee data management, attendance tracking, payroll management, and employment history. The technology stack used in the development of Sistem Informasi Kepegawaian includes :

- Back-end: PHP, Laravel
- Frond-end: Javascript, JQuery
- Database: MySQL