

# WAHYU NUR ARIZKY

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## SUMMARY

Software Developer with 4+ years of experience building full-stack web applications that deliver real business value. Passionate about clean code, scalable architecture, and learning emerging technologies to create cutting-edge solutions.

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## WORK EXPERIENCE

### Backend Developer, SERA member of ASTRA

Jan 2024 - Present

- Designed and developed backend architecture and database schema for a large-scale rental service platform.
- Built robust APIs for mobile applications, web frontend, and admin dashboards using Express.js, TypeScript, and PostgreSQL.
- Implemented event-driven architecture with Azure Service Bus to handle third-party integrations and real-time notifications.
- Integrated Xendit for seamless online payment processing.
- Utilized Swagger for comprehensive API documentation and ensured consistent communication across teams.
- Developed real-time features using Firestore for enhanced user experience.
- Implemented caching, structured logging, and monitoring solutions to optimize performance and maintain system reliability.
- Collaborated in delivering Trac To Go, a car/bus/travel rental platform available on App Store and Google Play, supporting daily, monthly, and annual rental services.

### Fullstack Developer (Freelance), UIN Malang

Apr 2024 - Okt 2024

- Developed and maintained alba.uin-malang.ac.id, a comprehensive TOEFL and TOAFL online examination platform.
- Built the application using Laravel, Inertia.js, ReactJS, Tailwind CSS, and MySQL, delivering a modern and responsive user experience.
- Implemented features including exam management, registration system, and question bank management for administrators.
- Designed and developed a fullscreen exam interface with timers and real-time validation to ensure a secure testing environment for participants.
- Successfully integrated BRI Virtual Account (VA) payment system, passing all bank-standard testing requirements, enabling secure and automated payment processing.
- Collaborated with stakeholders to ensure smooth deployment, user experience optimization, and system scalability.

**Fullstack Developer, Integrity Asia****Jun 2023 - Jan 2024**

- Initially joined as Backend Developer, developing Knowme.link using NestJS, TypeScript, and MongoDB for 4 months.
- Transitioned to Full-Stack Developer, building frontend with Next.js and Tailwind CSS, and integrating Knowme with PRISMA, an existing internal application.
- Implemented Elasticsearch for efficient and scalable data search functionality.
- Collaborated in an English-speaking environment, ensuring smooth communication with international team members.
- Delivered a secure and high-performance web application with modern architecture and seamless integration across systems.

**Fullstack Developer (Freelance), Asclar Indonesia****Aug 2023 - Jun 2024**

- Worked on multiple client projects focused on developing and improving websites using modern technologies such as Laravel, Next.js, Tailwind CSS, Express.js, and TypeScript.
- Implemented feature enhancements and handled feedback for platforms including ivoox.id, djrpm.komdigi.co.id, and taco.co.id.
- Built and launched campaign and event websites such as berburuvespa.kobermie.com and momsdayout.ceresmeses.co.id, ensuring responsive design and optimized performance.
- Contributed to both frontend and backend development, tailoring solutions to project requirements and client needs.
- Ensured timely delivery and maintained clear communication with clients throughout the development cycle.

**Backend Developer, PT Falah Inovasi Teknologi****Dec 2021 - Juni 2023**

- Developed web applications using the Laravel framework, implementing key features such as Eloquent ORM, Broadcast, Laravel WebSocket, Notifications, Queues, and Spatie Permission.
- Applied naming conventions and coding standards for Git workflow, file structure, and project consistency.
- Designed application architecture following Clean Architecture principles and microservices structure for scalability and maintainability.
- Created ERD diagrams using Figma Jam and prepared API documentation using Postman for clear communication with development teams.
- Implemented Socket.IO for real-time functionalities such as live updates and notifications.
- Migrated the application from Laravel (PHP) to Node.js with Express in December 2022, utilizing Sequelize, Mongoose, and Passport for authentication and database handling.
- Integrated RabbitMQ as a message broker for notifications and real-time communication services.
- Collaborated with clients and vendors through online/offline meetings, conducted training sessions, and provided user assistance for seamless application adoption.

**Tech Team Intern, YLABS Indonesia****Aug 2021 - Nov 2021**

- Completed a 3-month internship as part of the Technology Team at YLabs (PT YLabs Inovasi Indonesia).
- Developed and integrated ReactJS components with Firebase Firestore for real-time data handling and dynamic application functionality.
- Collaborated with the development team to enhance front-end performance and maintain seamless data flow between the application and the database.

## Fullstack Developer Intern, UIN Jakarta

Aug 2021 - Nov 2021

- Developed SIAPP (Sistem Informasi Penelitian dan Publikasi), an internal web application for PUSLITPEN UIN Jakarta, in collaboration with a team of 4 developers.
  - Designed and implemented features to manage research proposals, academic research, and faculty publications.
  - Utilized Laravel, Tailwind CSS, and MySQL as the primary technology stack, ensuring responsive UI and optimized database performance.
  - Applied additional tools and frameworks such as Bootstrap, jQuery, and best practices in product management throughout the development process.
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## EDUCATION

### Bachelor of Computer Science, UIN Syarif Hidayatullah Jakarta

Aug 2018 - Aug 2022

GPA: 3.6/4.0 (Cum Laude)

- Thesis: Scrum Product Backlog Investigation in Software Development: Implementation of Information System Development for the UIN Jakarta Career Center.
  - Actively participated in academic and practical experiences, including internships and teaching assistance.
  - Developed SIAPP (siapp.uinjkt.ac.id) during an internship, an information system for managing research and publication at UIN Jakarta.
  - Served as a Database Teaching Assistant under Mrs. Ummie Masruroh, supporting lectures and assisting students with database concepts and practices.
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## ADDITIONAL INFORMATION

- **Technical Skills:**
  - **Languages & Frameworks:** Node.js (Express, NestJS), PHP (Laravel), React.js, Next.js
  - **Databases:** MySQL, PostgreSQL, MongoDB, Firestore
  - **Tools & Others:** Docker, RabbitMQ, Elasticsearch, Azure Service Bus, Swagger, Postman
- **Languages:** Bahasa, Malay, English
- **Certifications:**
  - NodeJS Bootcamp - Udemy
  - Rust Full Course - Udemy
  - Web Development - Dicoding
  - Design Database & SQL - Kominfo
- **Interest:** Sport and Traveling