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Restu Akbar

Software Engineer

Summary

I'm Restu, a Software Engineering student at Bandung State Polytechnic with a strong focus on applying my knowledge directly to real-world projects. Beyond academics, internships, and independent projects, I actively work on building impactful applications and solutions that reflect industry practices, from planning and development to deployment.

My focus is on delivering clean, scalable, and efficient code while continuously adapting to new technologies and industry best practices. I enjoy tackling complex challenges, optimizing systems, and contributing to products that create real-world impact.

Experiences

PT. Progantara Teknologi Indonesia – Intern

Fullstack Developer & DevOps Engineer

June 2025 - Now

- Implemented backend logic for a presence application.
- Designed and developed RESTful APIs using Laravel.
- Worked with frontend teams, providing API documentation and integration support.
- Improved server efficiency through caching strategies and database query optimization.
- Built dynamic frontend components using Laravel Livewire.
- Integrated Laravel Excel to handle data import and export features.
- Configured CI/CD pipelines to automate deployment processes.
- Managed and maintained production servers, including monitoring and updates.

PT. Muri Digital Internasional – Intern

Backend Developer

April 2025 - June 2025

- Designed database schemas for course application.
- Developed RESTful APIs.
- Built server-side logic for course app.
- Wrote unit and integration tests to ensure backend reliability.
- Collaborated with frontend developers and documented API endpoints.
- Optimized server performance using caching and query optimization.

PT. Lattice Teknologi Mandiri - Intern

Hardware System Integrator

June 2022 - December 2022

- System Requirements Analysis: Identified system requirements through active discussions with mentors.

- Team Coordination: Collaborated with multiple departments to coordinate system implementation.
- Integration Testing: Performed integration testing to ensure system compliance with specifications.

Education

Bandung State Polytechnic

Associate Degree in Information Technology

2023 – now

Vocational High School 1 Cimahi

Industrial Automation Engineering

2019 – 2023

Projects

Atisisbada

July 2025 - now

Description

In this project, I served as a QA Tester, focusing on automated testing using Selenium (Python) for ATISISBADA (Regional Asset Management Information System), an application used by local governments in Indonesia to manage the entire lifecycle of regional assets, including procurement, utilization, maintenance, and disposal.

Contribution

- Designed, developed, and executed automated test scripts to validate application functionality.
- Enhanced testing efficiency while reducing reliance on manual testing.
- Accelerated the testing process and ensured consistent results using Selenium (Python).
- Identified defects at early development stages, minimizing risks in production.
- Contributed to software quality improvement and ensured application compliance with functional standards and regulations.

Lah Kerja

June 2025 - Now

Description

Lah Kerja is an integrated web and mobile application designed to support human resource (HR) management. The platform streamlines administrative processes such as attendance, overtime, leave, and employee loans, while improving efficiency, data accuracy, and accessibility for both management and employees. In this project, I served as a Backend Developer and DevOps Engineer.

Contribution

- Implemented backend logic using Laravel.
- Designed and developed RESTful APIs for mobile and web application integration.
- Collaborated with the frontend team by providing API documentation via Postman and integration support.
- Designed and optimized database schemas using MySQL.
- Configured CI/CD pipelines (GitHub CI/CD) to automate deployments.
- Managed and maintained production servers in a Linux environment with cPanel monitoring.

SSPM Akuprim

June 2025 - Now

Description

The Tax Period Notification System (SSPM) AkuPrim is a web application developed to support tax data recording and management for AkuPrim, a tax consulting firm, in serving their clients. The application includes features such as income tax (PPH) and value-added tax (VAT) recording, invoice reporting, and other tax documentation required by consultants. In this project, I served as a Fullstack Developer.

Contribution

- Integrated Laravel Excel for data import and export features.
- Developed email functionality using Laravel's mailing system to support client communications for AkuPrim.
- Built frontend components with Laravel Livewire.

Event and Volunteer

2024 Election Polling Station Working Committee (KPPS)

General Elections Commission

February 2024

- Ensured the availability and proper condition of all equipment and logistics, including voting booths, ballot boxes, and stationery.
- Organized and facilitated the voting process to ensure safety and order.
- Conducted vote counting with accuracy and transparency.
- Prepared reports on the voting and vote-counting results.

KEMA Polban General Election – Department Person in Charge (PIC)

Polban Student Representative Assembly

September 2023 – December 2023

- Developed effective communication skills by building strong relationships with representatives from each student organization within the campus departments.
- Served as Liaison Officer, acting as a bridge between departments regarding the election, ensuring they understood the procedures and deadlines.
- Moderated KEMA election discussions to ensure the sessions ran smoothly and constructively.

KMLI POLBAN - Liaison Officer Team

Bandung State Polytechnic

October 2023

- Served as the primary information source for the competition team and coordinated communication among team members.
- Managed and distributed information related to activities, schedules, and ongoing updates to team members.
- Assisted the team in addressing obstacles or issues that arose during the competition.

Crowd Control at BIOFARMA 132 Anniversary

Biofarma

August 2022

- Monitored event areas to prevent potential security issues.
- Organized and supervised visitor flow to avoid overcrowding and congestion.
- Provided guidance and directions to attendees to ensure a smooth event experience.

Organization

Polban Computer Science Student Association

Department of Scientific and Professional Development – Head of Research Division

May 2024 - Now

- Served as Chief Coordinator for the academic sharing program of Computer and Informatics Engineering students.
- Delivered material as a presenter in the Student Association's Teaching Project program.
- Led the Logistics Division for the Outstanding Student Seminar program.
- Head of Field Coordinator Division for TISIGRAM, a computational thinking competition for senior high school students.

Sertification

Junior Web Developer

National Agency for Professional Certification (BNSP), August 2023 - August 2026

Skills

Hard Skill :

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- **Backend Development**
NodeJs, ExpressJs, NestJs, Laravel, Ktor
 - **Android Development**
Kotlin (Jetpack Compose)
 - **Database**
PostgreSQL, MongoDB, MySQL
 - **Programming Language**
JavaScript, TypeScript, C++, Python, Java, PHP

Soft Skill :

- Problem Solving
- Leadership
- Adaptation
- Collaboration
- Public Speaking