

WAHYU BUDI UTOMO

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PROFESSIONAL SUMMARY

Backend Engineer with 4+ years architecting reliable, high-performance systems for govtech, fintech, HRIS, and logistics/WMS platforms. Deep expertise in Node.js, Golang, microservices, and cloud infrastructure — delivering mission-critical systems that process 200,000+ daily orders, cut workflow times by 40%, and scale to 10,000+ active users.

SKILLS

- Languages:** TypeScript, JavaScript, Golang, Java, PHP, Python, C/C++, SQL
Backend: Node.js, Express.js, NestJS, Spring Boot, CodeIgniter, Laravel, Bottle
Frontend: React.js, Next.js, Vue.js, Redux Toolkit, Material UI, Tailwind CSS, HTML5, CSS3
Databases: PostgreSQL, MySQL, MongoDB, SQL Server, Redis
Cloud & DevOps: Docker, Kubernetes, Google Cloud Platform, Red Hat OpenShift, Vercel, Netlify, CI/CD, Git
Messaging & Architecture: Kafka, RabbitMQ, RESTful API, RPC, Microservices, Monolith
Methodologies: Agile, Design Systems

WORK EXPERIENCE

PT Paragon Technology and Innovation (ParagonCorp) Apr 2025 – Present

Backend Engineer — South Jakarta, Indonesia

- Power real-time operations across 30+ warehouses and 10,000+ active users by leading end-to-end development of WMS Heron, a mission-critical warehouse management system.
- Process 200,000+ orders per day at higher throughput and lower latency by optimizing core components across the picking-to-dispatch pipeline.
- Tighten SLA compliance and warehouse uptime by tuning API performance, optimizing database queries, and hardening event-driven architecture.

PT Telkom Indonesia — South Jakarta, Indonesia

Backend Developer Jun 2024 – Mar 2025

- Enabled secure, real-time data exchange across government agencies (ESDM, KLHK, DJP) by architecting backend services for a national-scale OSS platform (Ministry of Investment).
- Supported high-volume, multi-agency transactional workflows through reliable, scalable API design.
- Lifted workflow efficiency by 40% by building an event-driven SLA engine processing thousands of events daily.

Part-Time Backend Developer Jun 2025 – Dec 2025

- Kept the OSS platform compliant with new government policy by adapting backend systems following the presidential transition.
- Enabled accurate business classification across the platform by implementing the national KBLI code expansion.
- Restored reliable issuance of business licenses and permits by debugging critical issues in the licensing workflow.

PT Krida Technologies Nov 2023 – Feb 2025

Part-Time Software Engineer — South Jakarta, Indonesia

- Cut system response time by 35% across CCT IOMS, PRABHU HRIS, and Gasendra HRIS through targeted performance and stability improvements.
- Raised operational efficiency and usability for enterprise clients by shipping product enhancements aligned to their workflows.
- Streamlined internal processes by building custom tools and system modules tailored to each client's workflow.

PT Gandar Sangkil Infnit May 2023 – May 2024

Software Engineer — South Jakarta, Indonesia

- Cut tax reporting and submission time by 40% by automating workflows across LaporSPT (mobile) and TTHC, Lapor Pajak, and Pajak.app (web).
- Delivered automated tax-reporting products for individuals and corporations, from mobile app to web platforms, end-to-end.
- Strengthened system reliability by refining data pipelines, optimizing document processing, and polishing UI/UX flows.

Universitas Muhammadiyah Malang Sep 2020 – Apr 2023

Informatics Laboratory Assistant — Malang, Indonesia

- Earned consistent positive feedback from 300+ students per semester by coordinating clear, efficient practicum sessions.
- Lifted student engagement and comprehension across core Informatics courses by introducing interactive teaching tools and methodologies.

PT Bank BTPN Syariah Tbk Aug 2022 – Dec 2022

Internship Software Engineer (Backend Developer) — South Jakarta, Indonesia

- Kept daily operations reliable for Community Officers by debugging and optimizing backend components of the internal AHA web application.
- Boosted overall service stability by resolving complex bugs and refining system logic.
- Cut latency and increased throughput across multiple modules by optimizing SQL queries and data processing logic.

Rey Mar 2022 – Jul 2022

Internship Software Engineer (Frontend Developer) — South Jakarta, Indonesia

- Smoothed the end-to-end user experience on Rey.id's health assurance platform by shipping UI improvements and new features.
- Improved functionality, stability, and usability of Intools (internal service management system) through ongoing development and maintenance.

EDUCATION

Universitas Muhammadiyah Malang Oct 2019 – May 2023

Bachelor of Computer Science (Informatics), GPA: 3.99/4.00 — Summa Cum Laude

- Graduated with the highest GPA in the Informatics department.
- Secured university research funding for two Student Creativity Programs (PKM-RSH 2021, PKM-KC 2022), reaching the national finalist round in 2022.

LEADERSHIP EXPERIENCE

Informatics Laboratory Technology (Infotech) Dec 2021 – Dec 2022

Chairman — Malang, Indonesia

- Led and reported on all Informatics Laboratory Assistant and Infotech programs to the Laboratory Head, managing 40+ assistants and directing end-of-term practicum assessments.

Google Developer Student Club Apr 2021 – Mar 2022

Developer Staff — Malang, Indonesia

- Planned and ran hackathons, coding workshops, and technical talks alongside fellow Developer Staff and Google representatives.