

# ADIA MAHARDIKA

## Software Engineer

Jakarta, Indonesia | Email: adiamahardika.work@gmail.com

### SUMMARY

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Software Engineer, AI Engineer, and IT Support Specialist with 5+ years of experience delivering scalable systems, secure infrastructure, and AI-powered applications that create measurable business impact. Skilled in Golang, .NET C#, Node.js, and modern architecture patterns, I build high-performance systems that improve reliability, reduce costs, and enhance customer experiences.

I have designed enterprise platforms that digitize workflows, automate documentation, and provide real-time analytics with Kafka, Redis, and OpenSearch. My AI engineering work includes building internal applications powered by GPT models and computer vision—such as virtual receptionists and video analytics platforms—that automate operations, improve visitor engagement, and generate actionable insights for business strategy.

As IT Support Specialist, I ensure operational resilience through secure infrastructure, vendor management, and team leadership. Beyond technical delivery, I mentor engineers and drive agile practices that accelerate delivery, reduce risks, and improve team productivity. My focus is on applying technology—whether backend systems, IT operations, or AI innovations—as a driver of efficiency, growth, and competitive advantage.

### EXPERIENCE

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#### PT MOONLAY TECHNOLOGIES – Jakarta, Indonesia

IT Support Specialist (Feb 2025 – Present)

- a. Ensured reliable and secure IT infrastructure by overseeing maintenance of networks, hardware, and software systems—minimizing downtime and enabling uninterrupted business operations.
- b. Led and developed the IT team, improving response times for internal support, reducing incidents, and fostering a culture of accountability and continuous improvement.
- c. Managed vendor partnerships and contracts, negotiating cost-effective solutions and ensuring high service quality for mission-critical systems.
- d. Oversee troubleshooting processes and ensure timely resolution of technical issues.

Senior Software Engineer (January 2024 – Present)

- a. Developed a full-stack enterprise application for complex operations management, enabling digital workflows, real-time data synchronization, and secure approval processes that improved compliance and reduced manual paperwork.
- b. Built dynamic form and document automation features, cutting documentation time and ensuring traceability with digital signatures and version control.
- c. Delivered dashboards and reporting modules that provided actionable insights into turnaround times, job aging, and resource utilization—helping stakeholders make data-driven decisions.
- d. Integrated secure authentication and role-based access control, strengthening data protection while maintaining smooth user access across multiple departments.
- e. Designed and deployed internal AI-powered applications that enhanced operational efficiency and innovation:

- Built a virtual receptionist system using GPT models, computer vision, and speech synthesis—automating visitor interactions, detecting expressions, and streamlining internal notifications.
  - Developed a video analytics platform leveraging computer vision and YOLO models to track visitor demographics, behavior, and dwell time, providing valuable insights for space utilization and business strategy.
- f. Mentored junior developers and promoted agile best practices, improving team delivery speed, code quality, and reducing project risks.

#### Middle Backend Engineer (January 2023 – January 2024)

- Built and optimized API services using Golang, MySQL, Redis, and MongoDB, ensuring reliable data flow and reducing latency for critical business applications.
- Designed and deployed Kafka consumers that streamlined data processing and retrieval, improving system responsiveness and supporting real-time operations.
- Partnered with frontend teams to deliver seamless integrations that enhanced user experience and reduced production bugs.
- Produced clear API documentation with Swagger, reducing onboarding time for new developers and improving collaboration with external stakeholders.
- Led R&D on RFID-based solutions, expanding the company's product capabilities and keeping the business competitive in emerging technology markets.
- Drove Scrum adoption within the team, resulting in faster delivery cycles, clearer communication, and measurable productivity improvements.

#### PT TRILOGI PERSADA – Jakarta, Indonesia

##### Junior Backend Engineer (December 2020 – January 2023)

- Delivered a full-stack Helpdesk Ticketing system using Golang, React, and Postgres, improving issue resolution tracking and boosting internal support efficiency.
- Led a System Monitoring project as Project Manager, ensuring the team met milestones and delivered a reliable solution that gave stakeholders real-time visibility into infrastructure performance.
- Optimized backend performance for monitoring tools and applications, reducing query times and enabling faster response to incidents.
- Built and maintained backend for a Point-of-Sales system, ensuring stable transaction processing and data integrity across multiple endpoints.
- Mentored interns and junior developers, raising overall team capability and reducing rework through better coding practices.

#### PT VODJO TEKNOLOGI INDONESIA – Remote Working

##### Freelance Fullstack Engineer (October 2020 - December 2020)

- Developed a web application for facial issue detection, enabling automated analysis that reduced manual review time and improved accuracy of results.
- Integrated third-party services to enhance functionality and deliver richer insights, expanding the application's value to end users.
- Collaborated with QA teams to resolve issues quickly, ensuring a stable, production-ready release and improving user trust in the system.

#### PT OMIND MUDA BERKARYA INDONESIA – Remote Working

##### Freelance Frontend Engineer (September 2020 - October 2020)

- Developed the frontend for an online training platform, improving accessibility and enabling the company to scale training delivery to more users.
- Ensured seamless API integration with backend services, reducing errors and providing a smooth user experience.
- Focused on usability and interface design, creating an intuitive platform that increased user engagement and satisfaction.

#### PT LEBAR MEDIA GROUP – Bandung, Indonesia

Fullstack Engineer (July 2020 – August 2020)

- a. Designed and developed a user-centric news portal, enabling readers to access articles faster and improving audience engagement with intuitive navigation and search features.
- b. Built and deployed core features (homepage, news search, article details) using React, Express, and MySQL, ensuring scalability and stable performance under increasing traffic.
- c. Transformed design concepts from Figma into a live product, reducing iteration time between design and development and delivering a polished user experience.

## **CV. ZONA EXPRESS CARGO – Pekalongan, Indonesia**

Admin and Courier (September 2019 – February 2020)

- a. Managed shipment data entry with high accuracy, reducing errors and ensuring smooth logistics operations.
- b. Provided responsive customer support, improving client satisfaction and strengthening trust in delivery services.
- c. Coordinated daily logistics tasks, contributing to on-time deliveries and more efficient warehouse workflows.

## **PT. INDONESIA COMNET PLUS – Semarang, Indonesia**

Warehouse Admin Internship (July 2018 – July 2019)

- a. Managed inventory reservations and returns, improving stock accuracy and reducing discrepancies across warehouse operations.
- b. Led quarterly stock audits, identifying and resolving issues that enhanced accountability and minimized financial loss.
- c. Collaborated with cross-functional teams to streamline inventory workflows, ensuring timely availability of materials for projects.

Activation Technician Intern (May 2018 – July 2018)

- a. Installed and maintained network devices at client sites, ensuring reliable connectivity and compliance with technical standards.
- b. Managed network infrastructure with safety in mind, minimizing equipment damage and preventing service disruptions during installation and dismantling.
- c. Supported field operations, contributing to smoother service activation and higher customer satisfaction.

## **EDUCATION**

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### **BINUS UNIVERSITY (2021 - 2025)**

Bachelor of Computer Science

### **SMK TELKOM PURWOKERTO (2015 - 2018)**

Network and Computer Engineering

SKILLS

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| <ul style="list-style-type: none"><li>• LangChain</li><li>• Computer Vision</li><li>• Angular</li><li>• .NET C#</li><li>• Angular</li></ul> | <ul style="list-style-type: none"><li>• Golang (Gin)</li><li>• Postgres</li><li>• MySQL</li><li>• Docker</li><li>• Redis</li></ul> | <ul style="list-style-type: none"><li>• React Js</li><li>• Redux Saga</li><li>• Javascript</li><li>• Node Js</li><li>• Kafka</li></ul> | <ul style="list-style-type: none"><li>• Unit Test</li><li>• Git</li><li>• Express Js</li><li>• OpenSearch</li><li>• Scrum</li></ul> |
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