Daniel Wija Waluyajati

God Leads and Technology Driven Expertise

PROFESSIONAL SUMMARY

Versatile software engineer and IT leader with expertise in full-stack development, database design, system integration, and DevOps. Proficient in modern programming languages and frameworks while maintaining a strong foundation in traditional technologies, ensuring adaptability to diverse project requirements. Adept at optimizing IT infrastructure, implementing middleware solutions, and managing relational and NoSQL databases.

Proven track record in leading cross-functional teams, driving agile transformations, and delivering scalable, user-centric solutions across healthcare, government, FinTech, and retail industries. Skilled in system architecture, performance optimization, and data-driven decision-making. A results-oriented professional committed to leveraging both cutting-edge and established technologies to achieve strategic objectives.

WORK EXPERIENCE

Stealth Startup, Jakarta — *Senior Engineer*

15 May 2023 – Now

- **Application Development:** Architecting and implementing scalable, resilient applications tailored to the organization's evolving technological landscape, ensuring optimal performance and maintainability.
- **Feature B2B Borrower Development:** Incharge architecture the end-to-end design and implementation of the Feature B2B Borrower process (LOS to LMS), integrating system components to deliver a seamless user experience while aligning with strategic growth objectives.
- **Project Leadership:** Proactively initiating projects by establishing technical frameworks, setting development priorities, and defining architectural blueprints to guide efficient execution.
- **Team Mentorship and Technical Support:** Providing mentorship to junior engineers, fostering skill development, and offering strategic oversight. Taking ownership of high-impact challenges to deliver solutions when complexity exceeds team capacity.
- **Dynamic Technology Utilization:** Strategically leveraging a primary tech stack, including TypeScript, PostgreSQL, MongoDB, RabbitMQ, ReactJS, and Redis, for robust solution delivery. Adopting supplementary technologies when dictated by specific project requirements, benchmarking insights, or stringent timelines to achieve technical and operational excellence.
- **Continuous Innovation:** Staying at the forefront of technological advancements through ongoing research and professional development, driving the adoption of cutting-edge methodologies and tools to enhance system design and productivity.
- **Cross-functional Integration:** Collaborating closely with cross-departmental teams and external stakeholders to gather insights, refine operational workflows, and deliver high-quality, user-centric solutions. Ensuring alignment of technical implementations with business objectives to maximize impact.

Ananda Hospital, Purwokerto — *Head of Information Technology*

06 Feb 2023 – 06 Feb 2024

- **IT Department Restructuring:** Successfully elevated the IT department's position from operating under the planning manager to reporting directly to the hospital director, fostering agility and enhancing developmental flexibility.
- **Internal Structural Optimization:** Streamlined the IT department by establishing sub-units, clearly defining roles, and improving workflow consistency to facilitate more efficient performance evaluations and progress reviews.
- **KPI Development and Implementation:** Introduced key performance indicators (KPIs) to objectively measure IT initiative effectiveness, driving accountability and strategic alignment.
- **Network Infrastructure Migration:** Led the transformation of network infrastructure from shared resources to a terminal-based architecture, leveraging fiber optics to meet current demands and prepare for future scalability.
- **Data Architecture Design:** Conceptualized and implemented a robust data architecture, incorporating replication flows to enable analytics-driven decision-making and enhanced operational insights.
- **System Performance Optimization:** Developed reusable libraries and optimized server and application performance, achieving reduced response times and significant reductions in data storage requirements.
- **Enhanced IT Support:** Extended IT support availability from 14/24 to 20/24, significantly improving service coverage while reducing operational costs by up to 60%.
- **Technology Stack Utilization:** Applied a diverse technology stack—including PostgreSQL, MongoDB, TypeScript, Golang, Docker, and ReactJS—to deliver scalable, efficient, and innovative IT solutions aligned with organizational goals.

Selleri.id, Jakarta Selatan — *Backend Engineer*

19 Sep 2022 – 01 March 2023

- **Application Development**: Developed and maintained existing applications to meet user requirements and improve overall user experience.
- **Feature Development**: Actively involved in developing new features and services to enhance the functionality and capabilities of the platform.
- **Middleware Quality Assurance**: Ensured the maintenance and improvement of the quality in middleware applications and services to achieve high performance and reliability.
- **Integration Expertise**: Successfully integrated with external companies, such as Fazz payment gateway and Ninja Express 3PL, to enhance the platform's functionality and expand business capabilities.
- **Full-stack Responsibilities**: On certain projects, took on full-stack responsibilities, handling both frontend and backend development using the ReactJS and Go stack.
- **Tech Stack Utilization**: Utilized a diverse tech stack, including NodeJS, Microservices, gRPC, REST API, Go, Python, PostgreSQL, MongoDB, and ReactJS, to deliver robust and scalable solutions.
- During my tenure as a Backend Engineer at Selleri, I played a pivotal role in the development and enhancement of the platform, leveraging my technical expertise to create efficient and innovative solutions within the Technology, Information, and Internet industry.

Ananda Hospital, Purwokerto — *Backend Engineer acted Lead Engineer*

01 Sep 2019 – 18 Sept 2022

- **Application Development:** Designed, developed, and maintained applications to meet evolving user requirements, enhancing overall platform performance and user satisfaction.
- **Feature Enhancement:** Contributed to the creation and implementation of new features and services, elevating the platform's functionality and aligning with business objectives.
- **Middleware Quality Assurance:** Ensured middleware applications' performance, reliability, and scalability by maintaining high-quality standards and implementing continuous improvements.

- **System Integration:** Spearheaded integrations with external platforms, including Fazz Payment Gateway and Ninja Express 3PL, expanding platform capabilities and driving business growth.
- **Full-stack Development:** Assumed full-stack responsibilities on specific projects, efficiently managing both frontend and backend development using the ReactJS and Go stack.
- **Technology Utilization:** Leveraged a comprehensive tech stack—NodeJS, Microservices, gRPC, REST API, Go, Python, PostgreSQL, MongoDB, and ReactJS—to deliver scalable and innovative solutions tailored to complex business needs.
- **Industry Impact:** Played a pivotal role in advancing platform development within the Technology, Information, and Internet sector, utilizing technical expertise to create efficient, user-focused solutions.

Dinas Komunikasi dan Informatika Kab, Banyumas — *Software Engineer*

01 Aug 2017 – 31 Aug 2019

- **Systems Development:** Designed, developed, and maintained software solutions to address the specific needs of District Banyumas, supporting various government operations and initiatives.
- **Application Optimization:** Enhanced system performance to reduce downtime and ensure high availability, successfully managing server loads of approximately 1,000 requests per second.
- **Database Replication Implementation:** Established robust data redundancy and high availability by implementing database replication using the Master-Slave architecture, ensuring continuity and reliability of services.
- **Application Replication and Caching:** Improved system performance and response times by replicating critical applications and leveraging in-memory caching solutions.
- **Technology Stack Utilization:** Applied a focused tech stack, including PHP Replication, Reverse Proxy, PgPool, PostgreSQL Replication, and Bash scripting, to deliver scalable and efficient solutions.
- **Government Sector Impact:** Contributed significantly to the development and maintenance of critical systems within the government sector, ensuring their reliability, scalability, and efficiency in meeting public service demands.

Mise - Coffee Milk and Tea, Banyumas — *Co-Founder, Manager*

05 Apr 2021 – 01 March 2023

- **Business Establishment and Development:** Co-founded and successfully managed Mise, a venture in the food and beverage industry, establishing a strong local market presence through strategic business development.
- **Financial and Operational Oversight:** Directed financial operations by maintaining detailed monthly financial reports and managing daily business operations to ensure smooth and efficient workflows.
- **Team Leadership:** Supervised a cohesive team by defining clear job roles and responsibilities, fostering a productive and collaborative work environment.
- **Revenue Growth Strategies:** Designed and implemented innovative strategies to increase revenue and profitability, driving the sustained growth of the business.
- **Technology Integration:** Spearheaded the development and deployment of critical applications, including menu pages, a CMS, a landing page, and a POS system. Utilized technologies such as NodeJS, Redis, PostgreSQL, and VueJS to enhance operational efficiency and customer engagement.
- **Entrepreneurial Impact:** Played a pivotal role in the growth and success of Mise, applying entrepreneurial acumen and strategic thinking to navigate the challenges of a competitive industry.

Aiqqon.id, Jakarta Selatan — *Freelance Full Stack Engineer*

29 Jan 2021 – 25 Juni 2021

- **Backend Development:** Developed and implemented applications for Aiqqon using the Laravel Framework, Firebase, and MySQL, aligning with business requirements and optimizing system performance.
- **End-to-End Application Development:** Delivered three key applications—CMS, Payment, and a standalone Backend—tailored to address specific operational and user needs.
- **Multi-Platform Design:** Adopted a mobile-first design strategy for public-facing applications while developing web-based applications for internal users, ensuring a consistent and efficient user experience across platforms.
- **System Integration:** Integrated Aiqqon with external systems, enabling functionalities like ShopeePay and Netzme, thus expanding platform capabilities and improving user interaction.
- **FinTech Contributions:** Contributed to Aiqqon's growth within the Financial Technology sector by utilizing full-stack development skills to create scalable and effective solutions.

CERTIFICATE

- Certificate Training "Network Fundamental Workshop"
  https://drive.google.com/file/d/1rCWSYZHHBK22roESFdA4oi6JR2fDm-cg
- Certificate Training "Training Management & Performance Linux Web Server"
  https://drive.google.com/file/d/1NzQ3-IG8VC8h0UWc02yYpbP8fq1KLXpZ
- Certificate Training "Training Management PostgreSQL Database"
  https://drive.google.com/file/d/1w90wl8W3gUUgotKKCutuMp84TjZThUnr
- Certificate Competence BNSP, "Perekayasaan Perangkat Lunak" (Expired)
  https://drive.google.com/file/d/0By-7py8slGXTVkRNVGJ3T3MydnM/view?resourcekey=0-E5Cj_GpWSOmLXsa3nWOWAA

SKILLS

Management Skill

- Agile Methodology, Strategic IT Planning, Team Mentorship, KPI Development, and Organizational Optimization

Software Development and Engineering

- **Programming Languages**: JavaScript, TypeScript, Go, PHP, Python, Bash
- **Development Frameworks**: NodeJS, ReactJS, VueJS, Laravel
- **System Integration**: REST API, gRPC, WebSocket, Third-Party Integration (e.g., Fazz, Ninja Express, ShopeePay)
- **Middleware and Microservices**: Development, Optimization, and Quality Assurance

Database

- **Relational Databases**: PostgreSQL, MySQL/MariaDB
- **NoSQL Databases:** MongoDB, Firebase, Redis
- **Database Architecture**: Replication (Master-Slave), Query Optimization, and Data Redundancy

DevOps and Server Management

- CentOS, Docker, SSL Configuration, Web Server Management, Networking (Fiber Optic Infrastructure), System Monitoring

Analytical and Problem-Solving

- Deep Root Cause Analysis, Operational Workflow Refinement, and Analytics-Driven Decision Making

Certifications and Tools

- PostgreSQL Database Management, Linux Web Server Optimization, and Network Fundamentals
- Proficiency in utilizing tools like Docker, RabbitMQ, PgPool, and terminal-based systems

Industry-Specific Expertise

- **Healthcare IT**: Network Infrastructure Overhaul, Terminal-based System Migration, and Enhanced IT Support
- **Government Systems**: High-Traffic Server Management, Reverse Proxy Implementation, and Replicated Applications
- **FinTech and Retail**: Payment Gateway Integration, Scalable Full-Stack Development, and User-Centric Application Design
- **Entrepreneurship:** POS Systems, Menu CMS, and Business Revenue Growth Strategies

Analytical and Problem-Solving

- Exploration, Logical Reasoning, Problem Solving, and Abstract Thinking in Mathematics

EDUCATION

Universitas Terbuka, Purwokerto *(Un Graduated)*

Bachelor's Degree [**Mathematics**]

01 Jan 2019 - Now

- Applying logical, critical, systematic, and innovative thinking.
- Developing mathematical thinking includes exploration, logical reasoning, generalization, abstraction and formal proof.
- Utilizing various alternative problem solving independently or in groups for making the right decision.

SMK Negeri 1, Purwokerto

High School [**Software Engineer**]

14 Jun 2014 - 02 Mei 2017

- Learning basic environment software engineering includes development, maintenance, and management team with quality aspects.
- Introduced basic programming language and timelines development.
- Utilizing shortcut problem solving and focusing on results according to an agreed pattern.

CONTACT

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