SAPTARI WIJAYA

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Summary

Software Engineer with 5+ years of experience building large-scale backend systems and web applications. Skilled in creating reliable and secure microservices using Golang and Java, as well as developing modern web interfaces using React and Next.js. Successfully built and connected systems with various services like Twilio, Firebase, banking systems, and payment services. Good at making fast and secure APIs that are well-tested, with over 80% test coverage.

Main skills include:

- Building and maintaining microservices that can handle heavy workloads
- Developing responsive web applications using React.js and Next.js
- Strong background working with banks and financial companies in Indonesia
- Experience leading small teams and helping junior developers grow
- Making systems run faster through smart database design and caching
- Familiar with modern development tools and practices like system monitoring

Committed to solving difficult technical problems while maintaining high quality standards. Quick to learn new technologies and effective at collaborating with teams to turn business needs into working solutions. Strong focus on organization, attention to detail, and clear communication of technical concepts.

Experience

PT. Bank SMBC Indonesia Tbk | Jakarta, South Jakarta

Java Developer | 11/2023 – Present

Tech stack: Java, TypeScript, Spring Boot, ReactJS, NextJS, SQL Server, GitLab, Elasticsearch, Kibana, Grafana

Contributing to digital transformation initiatives at one of Indonesia's leading retail banks:

- **Video Call System (November 2023 – February 2024)**
  - ✓ Built secure video banking platform serving 1,000+ monthly customer-agent interactions
  - ✓ Integrated Twilio services with 99.9% connection reliability for video calls
  - ✓ Maintained system security compliance with banking regulations (OJK standards)
  - ✓ Actively involved in migrating from Twilio API and SDK to Zoom Video Call API for enhanced functionality and scalability
  - ✓ Created responsive video call interface using NextJS with cross-browser compatibility
- **Unified E-form (March 2024 - Present)**
  - ✓ Developing centralized digital form system handling 10,000+ monthly banking process
  - ✓ Built integration with core banking system supporting 10+ banking products
  - ✓ Created automated email notification system with 99.9% delivery rate for customer updates
  - ✓ Reduced account opening process time from 2 days to 30 minutes

- ✓ Implemented real-time form validation reducing submission errors by 70%
- ✓ Maintained consistent 80%+ test coverage across all services
- ✓ Created responsive web interfaces following bank's design system using ReactJS
- ✓ Optimized query performance from 30s to 300ms–1s by simplifying SQL, offloading heavy logic to Java layer, and adding appropriate indexing
- ✓ Implemented pessimistic locking to prevent race conditions during concurrent form submissions
- ✓ Implemented asynchronous data aggregation for reporting to keep main user flow responsive and fast
- ✓ Applied hybrid loading strategy: eager loading for essential form data, lazy loading for auxiliary data to balance speed and memory efficiency
- ✓ Implemented transactional integrity for multi-step form submission, ensuring consistency across customer data, form state, and core banking integration

PT. Global Tiket Network | Jakarta, West Jakarta

Software Engineer II, Platform | 07/2022 – 11/2023

Tech stack: Java, Spring Boot, MongoDB, Google Big Query, RabbitMQ, MySQL, Swagger, Kafka, GitHub, SonarQube, Jenkins, Elasticsearch, Kibana, Grafana

Worked on core platform services supporting Southeast Asia's leading online travel booking platform:

- **tiket.com (July 2022 – November 2023)**
  - ✓ Built unified notification system handling 100,000+ daily messages across SMS, email, and push notifications
  - ✓ Reduced notification delivery failures by 80% through improved retry mechanisms and monitoring
  - ✓ Set up Firebase integration reaching 500,000+ mobile app users with real-time updates
  - ✓ Created smart notification batching that cut operational costs by 30%
  - ✓ Improved search response time by 70% using Elasticsearch optimization for travel inventory
  - ✓ Created auto-suggestion feature improving customer search success rate by 40%
  - ✓ Set up comprehensive monitoring using Grafana and Kibana, reducing incident response time from 30 to 5 minutes
  - ✓ Maintained 99.9% uptime for critical booking services through improved error handling
  - ✓ Created automated alerts that caught 90% of issues before affecting users
  - ✓ Maintained code quality above 90% test coverage through SonarQube integration
  - ✓ Created detailed API documentation reducing integration time for partner teams by 50%
  - ✓ Reduced system operational costs by 25% through service optimization

PT. Majoo Teknologi Indonesia | Jakarta, South Jakarta

Backend Engineer | 03/2022 – 06/2022

Tech stack: Golang, MongoDB, Redis, Bitbucket, Amazon Web Services (AWS)

Contributed to Majoo Lite, a point-of-sale platform serving small and medium businesses:

- **Majoo Lite (March 2022 – June 2022)**
  - ✓ Built scalable backend services handling 1,000+ daily transactions for small business owners using Hexagonal Architecture

- ✓ Cut API response time by 60% through Redis caching implementation for frequently accessed data
- ✓ Set up secure document management system using AWS S3, processing 500+ merchant documents daily
- ✓ Worked in 2-week Agile sprints, consistently delivering features on time with 80% test coverage
- ✓ Created MongoDB data models and indexes that improved query performance by 45%
- ✓ Built secure user management system with JWT authentication, serving 2,000+ active merchants

PT. Bussan Auto Finance | Jakarta, South Jakarta
Software Developer | 02/2020 – 02/2022

Tech stack: Golang, SQL Server, PostgreSQL, Docker, Swagger, GitLab, Azure Repository

Led backend development for several key projects, helping BAF transform their lending services through digital solutions:

- **Phone Number Credit Scoring (September 2021 – February 2022)**
  - ✓ Built secure API integrations with Telkomsel and Experian credit scoring services, helping assess credit risk for 10,000+ loan applications monthly
  - ✓ Designed and implemented encryption systems using public/private keys to protect sensitive customer data
  - ✓ Reduced credit assessment time from 2 days to under 30 minutes through automated scoring
- **Cashless Disbursement (April 2021 – February 2022)**
  - ✓ Created a high-performance loan disbursement system handling 5,000+ daily transactions across multiple banks (BNI, BRI, BCA)
  - ✓ Improved system speed by 40% through database connection pooling optimization
  - ✓ Maintained clear API documentation with Swagger, reducing integration time for other teams by 50%
- **Incentive Management System (November 2020 – February 2021)**
  - ✓ Led a team of 3 developers to build real-time commission tracking using WebSocket
  - ✓ Completed project 2 weeks ahead of schedule while meeting all requirements
- **Agent Management System (September 2020 – October 2020)**
  - ✓ Built complete agent lifecycle management system using Golang and SQL Server
  - ✓ Set up automated email notifications through SMTP integration
  - ✓ Implemented secure document storage using AWS S3, handling 10,000+ files monthly
- **Sales and Digital Integrated Assistance – SANDIA (February 2020 – February 2022)**
  - ✓ Developed core sales management APIs used by 5,000+ field agents daily
  - ✓ Implemented JWT authentication and security measures preventing common web attacks
  - ✓ Achieved 99.9% system uptime through robust error handling and monitoring

Skills

- Programming Language
  Golang, Java, TypeScript, C#

- Database and Cache Storage
  MySQL, MongoDB, SQL Server, PostgreSQL, Oracle, Redis
- Message Broker
  Kafka and RabbitMQ
- Version Control System
  GitHub, GitLab, Azure Repository, Bitbucket

Education

Bandung Institute of Technology (ITB) | 2013 – 2016 | No Degree (not completed)
- Faculty : School of Electrical Engineering and Informatics
- Major   : Electrical Engineering

Certification / Informal Education

Enigma Camp IT Bootcamp | August 2019 – December 2019
- Subject   : Java, Spring Boot, JavaScript, ExpressJS, ReactJS, React Native, MySQL
- Specialization   : Software Developer