

ARTHA BASTANTA

DevOps Engineer | Backend Developer | Platform & Integration Specialist

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PROFESSIONAL SUMMARY

Results-driven DevOps Engineer and Backend Developer with 3+ years of experience in enterprise banking and financial services. Specializes in OpenShift 4 cluster administration, CI/CD pipeline engineering (GitLab CI, Jenkins, Nexus), Java Spring Boot microservices, Kafka event streaming, and ELK Stack observability. Proven track record of leading end-to-end delivery of critical banking initiatives including Core Banking migration, Fraud Detection Systems, QRIS payment integrations, BiFast interbank payments, and SOA/middleware platforms. Skilled at driving operational excellence through automation, monitoring, and modern DevOps practices — consistently delivering measurable improvements in uptime, deployment speed, and cost efficiency.

WORK EXPERIENCE

Mandiri Taspen

Professional Staff IT Integration & Data Management — DevOps Engineer (ODP IT)

Jakarta, Indonesia

Nov 2023 – Present

DevOps & Platform Engineering

- Administered and maintained the enterprise container platform OpenShift 4, ensuring high availability, cluster stability, and operational performance across dev, UAT, and production environments.
- Designed and managed end-to-end CI/CD pipelines using GitLab CI, Jenkins, and Nexus Repository Manager, cutting time-to-market by 50% through automated build, test, and deploy workflows.
- Streamlined software delivery processes by implementing continuous integration and deployment techniques across all backend services, resulting in a 50% reduction in release cycle time.
- Improved system reliability and availability by deploying automated monitoring and alerting using the ELK Stack (Elasticsearch, Logstash, Kibana), achieving a 60% decrease in unplanned downtime.
- Led cloud-based infrastructure implementation, reducing server costs by 40% while increasing system scalability and operational flexibility.
- Implemented configuration management tools and processes that improved system stability and reduced deployment errors by 70%.
- Conducted performance and load testing using JMeter to validate system SLAs and ensure production readiness prior to each release.
- Implemented Kafka-based event-driven pipelines enabling real-time data streaming across distributed microservices.
- Mentored and trained junior team members on DevOps best practices, toolchains, and platform operations, improving team productivity and knowledge sharing.

Key Banking Project Deliveries

- Co-PM — Authentication System Integration for Taspen: Co-led end-to-end project coordination, stakeholder management, and delivery of the authentication platform integration.
- Co-PM — Authentication System Integration for Asabri: Oversaw cross-team coordination and delivery of identity/authentication integration with the Asabri pension system.
- PIC (Developer) — QRIS CPM Integration: Designed and developed QR Code Merchant-Presented payment integration, enabling real-time interbank QR transactions.
- Co-PM — BiFast KOMI (BI-Fast Interbank Payment Integration): Co-managed requirements, development coordination, and UAT for the national real-time payment infrastructure project.
- PIC (Core & Integration Team) — New Core Banking System Migration at Bank Mandiri Taspen: Led integration and core team efforts for the full core banking migration, including system design, data mapping, SIT/UAT coordination, and go-live support.

- PIC (Developer) — FDS Enhancement for MOVIN Mobile Banking: Extended and enhanced the Fraud Detection System to support new fraud rule sets and transaction monitoring for the MOVIN mobile banking application.
- PIC (Developer) — MOVIN Mobile Banking Integration to Core Banking (Maestro) & Third-Party Systems: Developed and maintained REST API integrations between MOVIN and the Maestro core banking engine and external service providers.
- PIC (Developer) — SOA / Middleware Platform (Bank Mandiri Taspen): Built and maintained service orchestration and integration layers across enterprise banking systems using SOA/middleware architecture.
- PIC (Developer) — LEADS Application (Navigator) Integration: Delivered system integration for the LEADS/Navigator internal banking application, ensuring seamless data exchange with core and non-core systems.
- Co-PM — DRC (Disaster Recovery Center) SOA Environment Preparation: Coordinated the preparation, configuration, and validation of the SOA environment in the Disaster Recovery Center.
- PIC (Developer) — CANALIS Integration (Bank Mandiri Corporate Banking Platform): Integrated internal Bank Mandiri Taspen applications with CANALIS, enabling unified corporate banking data flows.

Cross-Functional Responsibilities

- Analyzed and developed IT integration initiatives aligned with RBB and ITSP strategic plans; conducted periodic evaluations of integrated applications.
- Prepared and validated technical documentation including system design specifications, process flows, and database design in collaboration with Business Analysts and Banking teams.
- Coordinated with internal and external stakeholders; actively managed SIT, UAT, and PTR findings, supporting migration and production cutover activities.

Adira Finance

Jakarta, Indonesia

Backend Web Developer — Contract

Jun 2023 – Oct 2023

- Designed, developed, tested, and deployed scalable backend services using the Java Spring Boot framework.
- Created and optimized database schemas, wrote efficient SQL queries, and managed relational data using PostgreSQL.
- Implemented Apache Kafka producers and consumers for real-time data ingestion and event-driven service communication.
- Collaborated with cross-functional teams to define requirements, ensure code quality, and deliver production-grade software.

Phincon

Jakarta, Indonesia

Backend Web Developer — Intern

Feb 2022 – Feb 2023

- Improved software quality by coding, testing, and debugging 40+ backend and frontend codebases through structured backlog management.
- Collaborated cross-functionally to achieve 98% feature accuracy, resulting in a successful product launch with high quality standards.
- Participated actively in Agile/Scrum ceremonies to deliver high-quality products within tight sprint timelines.

TECHNICAL SKILLS

DevOps & Platform: OpenShift 4, Docker, GitLab CI, Jenkins, Nexus Repository Manager

Observability: ELK Stack (Elasticsearch, Logstash, Kibana), JMeter

Messaging & Streaming: Apache Kafka

Backend Development: Java Spring Boot (Experienced), Laravel (Skilled), PHP (Skilled)

Frontend Development: Angular (Skilled), React.js (Skilled), HTML/CSS (Skilled)

Databases: PostgreSQL (Skilled), SQL (Skilled)

Integration: SOA / Middleware, REST API, Microservices Architecture

Version Control: Git (Skilled)

Methodologies: Agile / Scrum, Kanban, SDLC, Waterfall

Design & PM Tools: Figma, Jira Software, Project Planning, Task Management

EDUCATION

Bina Nusantara University (BINUS) **Bachelor of Computer Science**

GPA: 3.43 / 4.0

Jakarta, Indonesia
Graduated April 2023

PROJECTS

Nexara – HRIS (Human Resource Information System)

Full-stack HRIS application independently designed, developed, and deployed as sole developer. Built with Spring Boot backend and React.js frontend. **On Progress** will be available on GitHub.

Pegaw.ai – Enterprise HR Web Application

Developed during internship at PT Phincon as backend developer; contributed to coding, testing, and debugging of a production-grade HR management system.

HappyBookStore – Library Management System

Full-stack book borrowing and library management web application independently developed using the Laravel framework.

3B Barang Bekas Banjir – E-Commerce UI/UX Design

UI/UX design for a flood relief goods e-commerce platform. Conducted user research, created user journey maps and personas to improve product understanding and user experience.

ACTIVITIES

Cyber Security Club – Bina Nusantara University **Member**

Jakarta, Indonesia
Aug 2019 – Apr 2023

- Developed cybersecurity skills and contributed to knowledge-sharing sessions on security technology within the club.

Himpunan Mahasiswa Teknik Informatika (HMTI) **Member**

Jakarta, Indonesia
Aug 2019 – Apr 2023

- Contributed to academic and technical knowledge-sharing sessions within the Informatics Engineering Student Association.

LANGUAGES

- Bahasa Indonesia — Native
- English — B2 Proficiency (TOEFL BNEPT Certified)