

ENDY MUHARDIN

IT Consultant

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Summary

IT Consultant with 20+ years of experience in software architecture, enterprise application development, and process improvement. Specialized in payment systems, microservices architecture, and DevSecOps practices. Delivered 40+ corporate trainings and helped multiple organizations achieve CMMI Level 3.

Technical Skills

Architecture: Microservices, REST API, Event-Driven, Kafka, OAuth/SSO

Programming: Java, Spring Boot, Spring Cloud, Hibernate, Go

Payment Systems: ISO-8583, Payment Gateway, ATM/EDC Integration

Domain: Banking, Insurance, Government, Education

DevSecOps: Docker, Kubernetes, CI/CD, SAST (SpotBugs, CodeQL), DAST (OWASP ZAP)

Infrastructure: Linux Administration, Cloud Services, Performance Tuning

Process: CMMI, Scrum, Software Engineering, Quality Management

Experience

STMIK Tazkia <i>Vice Chairman, Lecturer</i>	2024–now Bogor
• In charge of curriculum and quality assurance	
ArtiVisi Intermedia <i>Senior Consultant</i>	2008–now Jakarta
• Analyse customer requirement, propose, and implement solution. Provide expertise on software architecture, project management, and software development process improvement	
Brainmathics <i>Trainer</i>	2006–now Jakarta
• Delivers training material on project management, software development, testing, and programming	
Universitas Tazkia <i>IT Dept Head, Lecturer</i>	2017–2024 Bogor
• Manage IT department, develop campus information systems, lecture on programming	
BaliCamp <i>Software Engineering Process Group</i>	2005–2008
• Research and implement corporate-wide process and procedure compliant with CMMI requirement. Achieved CMMI ML-3 in 2007	
Telematics Indonesia <i>Lead Programmer</i>	2004–2005
• Design software and write code on various client project	
Enciety <i>Lead Programmer</i>	2003–2004
• Develop core banking application	

Projects

Campus Website & Admission System – STMIK Tazkia	2026
• Marketing website with Astro SSG, admission portal with lead capture, applicant self-service, document review, payment verification via Kafka, WhatsApp notifications	
• <i>Go, Astro, Templ, HTMX, Alpine.js, Tailwind CSS, PostgreSQL, Kafka, Cloudflare Workers</i>	
Financial Management System – Yayasan Sahabat Quran	2026
• Foundation financial management with student/teacher master data, attendance tracking, salary calculation, operational expenses, reporting	
• <i>Go, HTMX, Alpine.js, Tailwind CSS, PostgreSQL, Playwright</i>	
High Availability SSO Infrastructure – PT Kereta Api Indonesia	2025
• Production-ready Keycloak SSO with PostgreSQL replication, OpenLDAP federation, HAProxy load balancing	
• <i>Keycloak, PostgreSQL, OpenLDAP, HAProxy, Ansible, Docker</i>	
HSM Simulator – ArtiVisi Intermedia	2025

- Educational HSM simulator for payment training with PIN encryption, MAC generation, key ceremony, and inter-bank key exchange
- *Java 21, Spring Boot, PostgreSQL, AES-256, ISO-8583 PIN Blocks*

Sharia Banking System – ArtiVisi Intermedia	2025
<ul style="list-style-type: none"> • Sharia-compliant banking with Wadiah, Mudharabah savings, Islamic financing products, approval workflows • <i>Java 21, Spring Boot, PostgreSQL, Thymeleaf, Tailwind CSS</i> 	
Accounting System – ArtiVisi Intermedia	2025
<ul style="list-style-type: none"> • SMB accounting with Indonesian tax compliance (PPN, PPh), payroll, fixed assets, inventory • <i>Spring Boot, PostgreSQL, Thymeleaf, HTMX, Alpine.js, ZAP DAST, Ansible, Pulumi</i> 	
Islamic Education Management – Yayasan Sahabat Quran	2024
<ul style="list-style-type: none"> • Student registration, class scheduling, academic planning, performance analytics • <i>Spring Boot, PostgreSQL, Thymeleaf, Bootstrap</i> 	
Sharia Insurance Onboarding – Client Undisclosed	2023
<ul style="list-style-type: none"> • New customer registration, underwriting, payment integration • <i>Java, Spring, Microservice, SOAP</i> 	
Seaport Management System – Pelabuhan Tiga Bersaudara	2022
<ul style="list-style-type: none"> • Pilotage Management, Integration with Kemenhub App, Integration with Bank Payment • <i>Java, Spring, Microservice, SOAP</i> 	
Virtual Account Integration – STEI Tazkia	2018
<ul style="list-style-type: none"> • Integrating automated virtual account payment from 3 banks (BSM, BNI, CIMB) • <i>Java, Spring, Microservice, REST, SOAP</i> 	
Academic Information System – STEI Tazkia	2017
<ul style="list-style-type: none"> • Students Enrollment, Tuition Fee Payment, Academic Administration, HR, etc • <i>Java, Spring, Microservice, OAuth</i> 	
Payment Switching System – ArtiVisi Intermedia	2013
<ul style="list-style-type: none"> • Switching application connecting and intermediating among multiple payment endpoint • <i>Java, ISO-8583</i> 	
Payment Gateway System – ArtiVisi Intermedia	2011
<ul style="list-style-type: none"> • Front office and back office application for billing payment outlet • <i>HTML, JavaScript, Java, ISO-8583</i> 	
EDC Server – G4S Euronet	2010
<ul style="list-style-type: none"> • Server application for managing multiple EDC devices • <i>Java, ISO-8583</i> 	
ATM Integration – Bank Windu Kencana Indonesia	2008
<ul style="list-style-type: none"> • Connecting between core banking application and ATM BCA network • <i>Java, Spring Framework, Hibernate, ISO-8583</i> 	
Education	
Institut Agama Islam Tazkia	2020
<i>Islamic Economy</i>	<i>Bogor</i>
STT Telkom	1997–2001
<i>Teknik Industri</i>	<i>Bandung</i>