

ENDY MUHARDIN

IT Consultant

☎ +62 812 98000 468 ✉ endy@muhardin.com 🌐 software.endy.muhardin.com 📍 Kabupaten Bogor, West Java, Indonesia

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> <ul style="list-style-type: none">In charge of curriculum and quality assurance	2024–now <i>Bogor</i>
ArtiVisi Intermedia <i>Senior Consultant</i> <ul style="list-style-type: none">Analyse customer requirement, propose, and implement solution. Provide expertise on software architecture, project management, and software development process improvement	2008–now <i>Jakarta</i>
Brainmatics <i>Trainer</i> <ul style="list-style-type: none">Delivers training material on project management, software development, testing, and programming	2006–now <i>Jakarta</i>
Universitas Tazkia <i>IT Dept Head, Lecturer</i> <ul style="list-style-type: none">Manage IT department, develop campus information systems, lecture on programming	2017–2024 <i>Bogor</i>
BaliCamp <i>Software Engineering Process Group</i> <ul style="list-style-type: none">Research and implement corporate-wide process and procedure compliant with CMMI requirement. Achieved CMMI ML-3 in 2007	2005–2008
Telematics Indonesia <i>Lead Programmer</i> <ul style="list-style-type: none">Design software and write code on various client project	2004–2005
Enciety <i>Lead Programmer</i> <ul style="list-style-type: none">Develop core banking application	2003–2004

Projects

Campus Website & Admission System – STMIK Tazkia <ul style="list-style-type: none">Marketing website with Astro SSG, admission portal with lead capture, applicant self-service, document review, payment verification via Kafka, WhatsApp notificationsGo, Astro, Templ, HTMX, Alpine.js, Tailwind CSS, PostgreSQL, Kafka, Cloudflare Workers	2026
Financial Management System – Yayasan Sahabat Quran <ul style="list-style-type: none">Foundation financial management with student/teacher master data, attendance tracking, salary calculation, operational expenses, reportingGo, HTMX, Alpine.js, Tailwind CSS, PostgreSQL, Playwright	2026
High Availability SSO Infrastructure – PT Kereta Api Indonesia <ul style="list-style-type: none">Production-ready Keycloak SSO with PostgreSQL replication, OpenLDAP federation, HAProxy load balancingKeycloak, PostgreSQL, OpenLDAP, HAProxy, Ansible, Docker	2025
HSM Simulator – ArtiVisi Intermedia	2025

<ul style="list-style-type: none"> Educational HSM simulator for payment training with PIN encryption, MAC generation, key ceremony, and inter-bank key exchange <i>Java 21, Spring Boot, PostgreSQL, AES-256, ISO-8583 PIN Blocks</i> 	
Sharia Banking System – <i>ArtiVisi Intermedia</i> <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> 	2025
Accounting System – <i>ArtiVisi Intermedia</i> <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> 	2025
Islamic Education Management – <i>Yayasan Sahabat Quran</i> <ul style="list-style-type: none"> Student registration, class scheduling, academic planning, performance analytics <i>Spring Boot, PostgreSQL, Thymeleaf, Bootstrap</i> 	2024
Sharia Insurance Onboarding – <i>Client Undisclosed</i> <ul style="list-style-type: none"> New customer registration, underwriting, payment integration <i>Java, Spring, Microservice, SOAP</i> 	2023
Seaport Management System – <i>Pelabuhan Tiga Bersaudara</i> <ul style="list-style-type: none"> Pilotage Management, Integration with Kemenhub App, Integration with Bank Payment <i>Java, Spring, Microservice, SOAP</i> 	2022
Virtual Account Integration – <i>STEI Tazkia</i> <ul style="list-style-type: none"> Integrating automated virtual account payment from 3 banks (BSM, BNI, CIMB) <i>Java, Spring, Microservice, REST, SOAP</i> 	2018
Academic Information System – <i>STEI Tazkia</i> <ul style="list-style-type: none"> Students Enrollment, Tuition Fee Payment, Academic Administration, HR, etc <i>Java, Spring, Microservice, OAuth</i> 	2017
Payment Switching System – <i>ArtiVisi Intermedia</i> <ul style="list-style-type: none"> Switching application connecting and intermediating among multiple payment endpoint <i>Java, ISO-8583</i> 	2013
Payment Gateway System – <i>ArtiVisi Intermedia</i> <ul style="list-style-type: none"> Front office and back office application for billing payment outlet <i>HTML, JavaScript, Java, ISO-8583</i> 	2011
EDC Server – <i>G4S Euronet</i> <ul style="list-style-type: none"> Server application for managing multiple EDC devices <i>Java, ISO-8583</i> 	2010
ATM Integration – <i>Bank Windu Kencana Indonesia</i> <ul style="list-style-type: none"> Connecting between core banking application and ATM BCA network <i>Java, Spring Framework, Hibernate, ISO-8583</i> 	2008

Education

Institut Agama Islam Tazkia <i>Islamic Economy</i>	2020 <i>Bogor</i>
STT Telkom <i>Teknik Industri</i>	1997–2001 <i>Bandung</i>