

Endy Muhardin

IT Consultant

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📍 Kabupaten Bogor, West Java, Indonesia

PROFILE

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 COMPETENCIES

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

Programming: Java, Spring Boot, Spring Cloud, Hibernate

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

PROFESSIONAL EXPERIENCE

Vice Chairman, Lecturer | STMIK Tazkia
In charge of curriculum and quality assurance

2024–now

Senior Consultant | ArtiVisi Intermedia

2008–now

Analyse customer requirement, propose, and implement solution. Provide expertise on software architecture, project management, and software development process improvement

Trainer | Brainmatics

2006–now

Delivers training material on project management, software development, testing, and programming

IT Dept Head, Lecturer | Universitas Tazkia

2017–2024

Manage IT department, develop campus information systems, lecture on programming

Software Engineering Process Group | BaliCamp

2005–2008

Research and implement corporate-wide process and procedure compliant with CMMI requirement. Achieved CMMI ML-3 in 2007

Lead Programmer | Telematics Indonesia

2004–2005

Design software and write code on various client project

Lead Programmer | Enciety

2003–2004

Develop core banking application

SELECTED PROJECTS

High Availability SSO Infrastructure – PT Kereta Api Indonesia

2025

Production-ready Keycloak SSO with PostgreSQL replication, OpenLDAP federation, HAProxy load balancing [*Keycloak, PostgreSQL, OpenLDAP, HAProxy, Ansible, Docker*]

Sharia Banking System – ArtiVisi Intermedia

2025

Sharia-compliant banking with Wadiyah, Mudharabah savings, Islamic financing products, approval workflows [*Java 21, Spring Boot, PostgreSQL, Thymeleaf, Tailwind CSS*]

Accounting System – ArtiVisi Intermedia

2025

SMB accounting with Indonesian tax compliance (PPN, PPh), payroll, fixed assets, inventory [*Spring Boot, PostgreSQL, Thymeleaf, HTMX, Alpine.js, ZAP DAST*]

Islamic Education Management – Yayasan Sahabat Quran

2024

Student registration, class scheduling, academic planning, performance analytics [*Spring Boot, PostgreSQL, Thymeleaf, Bootstrap*]

Sharia Insurance Onboarding – Client Undisclosed

2023

New customer registration, underwriting, payment integration [*Java, Spring, Microservice, SOAP*]

Seaport Management System – Pelabuhan Tiga Bersaudara

2022

Pilotage Management, Integration with Kemenhub App, Integration with Bank Payment [*Java, Spring, Microservice, SOAP*]

Virtual Account Integration – STEI Tazkia

2018

Integrating automated virtual account payment from 3 banks (BSM, BNI, CIMB) [*Java, Spring, Microservice, REST, SOAP*]

Academic Information System – STEI Tazkia

2017

Students Enrollment, Tuition Fee Payment, Academic Administration, HR, etc [*Java, Spring, Microservice, OAuth*]

Payment Switching System – ArtiVisi Intermedia	2013
Switching application connecting and intermediating among multiple payment endpoint [<i>Java, ISO-8583</i>]	
Payment Gateway System – ArtiVisi Intermedia	2011
Front office and back office application for billing payment outlet [<i>HTML, JavaScript, Java, ISO-8583</i>]	
EDC Server – G4S Euronet	2010
Server application for managing multiple EDC devices [<i>Java, ISO-8583</i>]	
ATM Integration – Bank Windu Kencana Indonesia	2008
Connecting between core banking application and ATM BCA network [<i>Java, Spring Framework, Hibernate, ISO-8583</i>]	

TRAINING EXPERTISE

Site Reliability Engineering – SRE Fundamentals, Linux Administration, Docker, High Availability, Incident Response (*ArtaJasa*)

Java & Spring Framework – Spring Boot, Spring Security, JPA, REST API, Reactive Programming (*TelkomSigma, Bank Jateng, Doku, eBDesk, Pegadaian, Ministry of Finance*)

Microservices Architecture – Spring Cloud, API Gateway, Service Discovery, Config Server (*Bank BCA, Blanja.com, Generali Insurance, Chubb Insurance*)

Application Security – OWASP Top 10, SAST (SpotBugs, CodeQL), DAST (OWASP ZAP), OAuth 2.0, SSO (*MTI/Yokke, Indonesian Government, Direktorat Jenderal Pajak*)

DevSecOps & Kubernetes – Docker, Kubernetes, CI/CD, SAST/DAST Integration, Security Scanning Pipelines (*Ditjen Bea Cukai, Asuransi Kredit Indonesia, Bank BCA*)

Automated Testing – Selenium, Functional Testing, Test Automation (*Kemenkominfo, Brainmatics*)

Payment Systems (ISO-8583) – Payment Gateway, ATM/EDC Integration, Bank Switching, Spring Boot + jPOS (*Bank BCA, Visionet Data Internasional, Induk Koperasi Kredit*)

CMMI & Process Improvement – CMMI Dev, SCAMPI-A, Process Definition, Quality Management (*Anabatic, Brainmatics, Traspac*)

CONSULTING ENGAGEMENTS

DevOps Best Practices – Lembaga Administrasi Negara	2023
Software Engineer Competence Standard – PT Telkomsel	2022
Single Sign On Implementation – PT Kereta Api Indonesia	2021
CMMI Dev Implementation – ICON+	2018
Application Architecture Best Practices – Jurnal.id	2018
CMMI Dev Implementation – Abhimata Persada	2017
CMMI Dev Implementation – Anabatic Technologies	2015
Java Application Best Practices – VeriTrans	2013

EDUCATION

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