

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

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

2008–now

Trainer | Brainmatics

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

2006–now

IT Dept Head, Lecturer | Universitas Tazkia

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

2017–2024

Software Engineering Process Group | BaliCamp

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

2005–2008

Lead Programmer | Telematics Indonesia

Design software and write code on various client project

2004–2005

Lead Programmer | Enciety

Develop core banking application

2003–2004

SELECTED PROJECTS

HSM Simulator – ArtiVisi Intermedia

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]

2025

High Availability SSO Infrastructure – PT Kereta Api Indonesia

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

2025

Sharia Banking System – ArtiVisi Intermedia

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

2025

Accounting System – ArtiVisi Intermedia

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

2025

Islamic Education Management – Yayasan Sahabat Quran

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

2024

Sharia Insurance Onboarding – Client Undisclosed

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

2023

Seaport Management System – Pelabuhan Tiga Bersaudara

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

2022

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

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

2017

Payment Switching System – ArtiVisi Intermedia

Switching application connecting and intermediating among multiple payment endpoint [Java, ISO-8583]

2013

Payment Gateway System – ArtiVisi Intermedia

Front office and back office application for billing payment outlet [HTML, JavaScript, Java, ISO-8583]

2011

EDC Server – G4S Euronet

Server application for managing multiple EDC devices [Java, ISO-8583]

2010

ATM Integration – Bank Windu Kencana Indonesia

Connecting between core banking application and ATM BCA network [Java, Spring Framework, Hibernate, ISO-8583]

2008

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

Institut Agama Islam Tazkia

2020

Bogor

Teknik Industri

STT Telkom

1997–2001

Bandung