

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* 2024–now
In charge of curriculum and quality assurance

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

TRAINING EXPERTISE

Site Reliability Engineering – SRE Fundamentals, Linux Administration, Docker, High Availability, Incident Response (<i>ArtaJasa</i>)	Java & Spring Framework – Spring Boot, Spring Security, JPA, REST API, Reactive Programming (<i>TelkomSigma, Bank Jateng, Doku, eBDesk, Pegadaian, Ministry of Finance</i>)
Microservices Architecture – Spring Cloud, API Gateway, Service Discovery, Config Server (<i>Bank BCA, Blanja.com, Generali Insurance, Chubb Insurance</i>)	Application Security – OWASP Top 10, SAST (SpotBugs, CodeQL), DAST (OWASP ZAP), OAuth 2.0, SSO (<i>MTI/Yokke, Indonesian Government, Direktorat Jenderal Pajak</i>)
DevSecOps & Kubernetes – Docker, Kubernetes, CI/CD, SAST/DAST Integration, Security Scanning Pipelines (<i>Ditjen Bea Cukai, Asuransi Kredit Indonesia, Bank BCA</i>)	Automated Testing – Selenium, Functional Testing, Test Automation (<i>Kemenkominfo, Brainmatics</i>)
Payment Systems (ISO-8583) – Payment Gateway, ATM/EDC Integration, Bank Switching, Spring Boot + jPOS (<i>Bank BCA, Visionet Data Internasional, Induk Koperasi Kredit</i>)	CMMI & Process Improvement – CMMI Dev, SCAMPI-A, Process Definition, Quality Management (<i>Anabatic, Brainmatics, Traspac</i>)

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