

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.

EXPERIENCE

Vice Chairman, Lecturer

STMIK Tazkia

2024–now Bogor

- In charge of curriculum and quality assurance

Senior Consultant

ArtiVisi Intermedia

2008–now Jakarta

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

Trainer

Brainmatics

2006–now Jakarta

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

IT Dept Head, Lecturer

Universitas Tazkia

2017–2024 Bogor

- 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

HSM Simulator

ArtiVisi Intermedia

2025

SKILLS

Architecture Programming Payment Systems
Domain DevSecOps Infrastructure Process

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 (Spot-Bugs, CodeQL), DAST (OWASP ZAP)

Infrastructure: Linux Administration, Cloud Services, Performance Tuning

Process: CMMI, Scrum, Software Engineering, Quality Management

TRAINING TOPICS

Site Reliability Engineering Microservices Architecture
DevSecOps & Kubernetes Payment Systems (ISO-8583)
Java & Spring Framework Application Security
Automated Testing CMMI & Process Improvement

EDUCATION

Islamic Economy

Institut Agama Islam Tazkia

2020 Bogor

Teknik Industri

STT Telkom

1997–2001 Bandung

CONSULTING

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

- 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*

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*

CMMI Dev Implementation

Abhimata Persada

📅 2017

CMMI Dev Implementation

Anabatic Technologies

📅 2015

Java Application Best Practices

VeriTrans

📅 2013

Payment Switching System

ArtiVisi Intermedia

📅 2013

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

Payment Gateway System

ArtiVisi Intermedia

📅 2011

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

EDC Server

G4S Euronet

📅 2010

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

ATM Integration

Bank Windu Kencana Indonesia

📅 2008

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