

# 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

**Encity**

2003–2004

- Develop core banking application

## SELECTED PROJECTS

HSM Simulator

**ArtiVisi Intermedia**

2025

Kabupaten Bogor, West Java, Indonesia

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## 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*