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

High Availability SSO Infrastructure
PT Kereta Api Indonesia

📅 2025

- Production-ready Keycloak SSO with PostgreSQL replication, OpenLDAP federation, HAProxy load balancing

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 (SpotBugs, 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

- *Keycloak, PostgreSQL, OpenLDAP, HAProxy, Ansible, Docker*

HSM Simulator
ArtiVisi Intermedia

📅 2025

- 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*

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, Ansible, Pulumi*

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

CMMI Dev Implementation
Abhimata Persada

📅 2017

CMMI Dev Implementation
Anabatic Technologies

📅 2015

Java Application Best Practices
VeriTrans

📅 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*