

# ENDY MUHARDIN

IT Consultant

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## Summary

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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 Skills

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**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

## Experience

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<b>STMIK Tazkia</b> <i>Vice Chairman, Lecturer</i> <ul style="list-style-type: none"><li>In charge of curriculum and quality assurance</li></ul>	<b>2024–now</b> <i>Bogor</i>
<b>ArtiVisi Intermedia</b> <i>Senior Consultant</i> <ul style="list-style-type: none"><li>Analyse customer requirement, propose, and implement solution. Provide expertise on software architecture, project management, and software development process improvement</li></ul>	<b>2008–now</b> <i>Jakarta</i>
<b>Brainmatics</b> <i>Trainer</i> <ul style="list-style-type: none"><li>Delivers training material on project management, software development, testing, and programming</li></ul>	<b>2006–now</b> <i>Jakarta</i>
<b>Universitas Tazkia</b> <i>IT Dept Head, Lecturer</i> <ul style="list-style-type: none"><li>Manage IT department, develop campus information systems, lecture on programming</li></ul>	<b>2017–2024</b> <i>Bogor</i>
<b>BaliCamp</b> <i>Software Engineering Process Group</i> <ul style="list-style-type: none"><li>Research and implement corporate-wide process and procedure compliant with CMMI requirement. Achieved CMMI ML-3 in 2007</li></ul>	<b>2005–2008</b>
<b>Telematics Indonesia</b> <i>Lead Programmer</i> <ul style="list-style-type: none"><li>Design software and write code on various client project</li></ul>	<b>2004–2005</b>
<b>Enciety</b> <i>Lead Programmer</i> <ul style="list-style-type: none"><li>Develop core banking application</li></ul>	<b>2003–2004</b>

## Projects

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<b>HSM Simulator</b> – <i>ArtiVisi Intermedia</i> <ul style="list-style-type: none"><li>Educational HSM simulator for payment training with PIN encryption, MAC generation, key ceremony, and inter-bank key exchange</li><li><i>Java 21, Spring Boot, PostgreSQL, AES-256, ISO-8583 PIN Blocks</i></li></ul>	<b>2025</b>
<b>High Availability SSO Infrastructure</b> – <i>PT Kereta Api Indonesia</i> <ul style="list-style-type: none"><li>Production-ready Keycloak SSO with PostgreSQL replication, OpenLDAP federation, HAProxy load balancing</li><li><i>Keycloak, PostgreSQL, OpenLDAP, HAProxy, Ansible, Docker</i></li></ul>	<b>2025</b>
<b>Sharia Banking System</b> – <i>ArtiVisi Intermedia</i> <ul style="list-style-type: none"><li>Sharia-compliant banking with Wadiah, Mudharabah savings, Islamic financing products, approval workflows</li><li><i>Java 21, Spring Boot, PostgreSQL, Thymeleaf, Tailwind CSS</i></li></ul>	<b>2025</b>
<b>Accounting System</b> – <i>ArtiVisi Intermedia</i>	<b>2025</b>

<ul style="list-style-type: none"> <li>SMB accounting with Indonesian tax compliance (PPN, PPh), payroll, fixed assets, inventory</li> <li><i>Spring Boot, PostgreSQL, Thymeleaf, HTMX, Alpine.js, ZAP DAST</i></li> </ul>	
<b>Islamic Education Management</b> – <i>Yayasan Sahabat Quran</i> <ul style="list-style-type: none"> <li>Student registration, class scheduling, academic planning, performance analytics</li> <li><i>Spring Boot, PostgreSQL, Thymeleaf, Bootstrap</i></li> </ul>	<b>2024</b>
<b>Sharia Insurance Onboarding</b> – <i>Client Undisclosed</i> <ul style="list-style-type: none"> <li>New customer registration, underwriting, payment integration</li> <li><i>Java, Spring, Microservice, SOAP</i></li> </ul>	<b>2023</b>
<b>Seaport Management System</b> – <i>Pelabuhan Tiga Bersaudara</i> <ul style="list-style-type: none"> <li>Pilotage Management, Integration with Kemenhub App, Integration with Bank Payment</li> <li><i>Java, Spring, Microservice, SOAP</i></li> </ul>	<b>2022</b>
<b>Virtual Account Integration</b> – <i>STEI Tazkia</i> <ul style="list-style-type: none"> <li>Integrating automated virtual account payment from 3 banks (BSM, BNI, CIMB)</li> <li><i>Java, Spring, Microservice, REST, SOAP</i></li> </ul>	<b>2018</b>
<b>Academic Information System</b> – <i>STEI Tazkia</i> <ul style="list-style-type: none"> <li>Students Enrollment, Tuition Fee Payment, Academic Administration, HR, etc</li> <li><i>Java, Spring, Microservice, OAuth</i></li> </ul>	<b>2017</b>
<b>Payment Switching System</b> – <i>ArtiVisi Intermedia</i> <ul style="list-style-type: none"> <li>Switching application connecting and intermediating among multiple payment endpoint</li> <li><i>Java, ISO-8583</i></li> </ul>	<b>2013</b>
<b>Payment Gateway System</b> – <i>ArtiVisi Intermedia</i> <ul style="list-style-type: none"> <li>Front office and back office application for billing payment outlet</li> <li><i>HTML, JavaScript, Java, ISO-8583</i></li> </ul>	<b>2011</b>
<b>EDC Server</b> – <i>G4S Euronet</i> <ul style="list-style-type: none"> <li>Server application for managing multiple EDC devices</li> <li><i>Java, ISO-8583</i></li> </ul>	<b>2010</b>
<b>ATM Integration</b> – <i>Bank Windu Kencana Indonesia</i> <ul style="list-style-type: none"> <li>Connecting between core banking application and ATM BCA network</li> <li><i>Java, Spring Framework, Hibernate, ISO-8583</i></li> </ul>	<b>2008</b>

## Education

<b>Institut Agama Islam Tazkia</b> <i>Islamic Economy</i>	<b>2020</b> <i>Bogor</i>
<b>STT Telkom</b> <i>Teknik Industri</i>	<b>1997–2001</b> <i>Bandung</i>