

**M. MACHRUSH ALIY SIROJAM MUSHLICH (OJAM)**[machruzh@gmail.com](mailto:machruzh@gmail.com)[+62 838 8886 086](tel:+62838886086)

Yogyakarta, Indonesia

Page

LinkedIn

GitHub

**SUMMARY**

A tech professional with over two years of experience in the finance sector and a Master’s candidate specializing in Human-Centered Software Engineering. Expert at translating complex processes into scalable systems to meet business objectives. Having completed my thesis; currently clearing my defense administration and ready for new challenges across the tech sector.

**SKILLS**

- Java, Go, Node.js, React.js, Kotlin, Ruby, Python
- Spring, Gin, Hapi, Vite, Ruby on Rails
- HTML, CSS, JavaScript
- PostgreSQL, MySQL
- Katalon, Postman, JUnit, Mockito, Testify, Jest
- Git, Camunda, Keycloak, RabbitMQ, Docker, DataDog
- Figma, Office (Google, Microsoft), Jira
- Photoshop, CorelDraw, Sony Vegas

**EDUCATION****Universitas Gadjah Mada****Master of Information Technology**

Yogyakarta, Indonesia

02/2024—Present

*Thesis:**“Optimizing Business Process Efficiency Through BPMN Engine-Enabled System Automation”***Universitas Islam Negeri Sunan Ampel****Bachelor of Information System**

Surabaya, Indonesia

09/2015—08/2021

*Thesis:**“Open-Source Forensic Applications Performance Analysis on Smartphone Android-Based in Collecting Digital Evidence”***EXPERIENCE****PT BFI Finance Indonesia Tbk****Backend Engineer (Loan Origination Squad)**

South Tangerang, Indonesia

01/2024-10/2024

- Contributed to the end-to-end implementation of a core system, managing its transition from a 3-branch pilot to a nationwide go-live across 200+ branches.
- Developed an adaptable system template and modular workflows for 6 different loan products, enabling the system to handle diverse risk profiles and dynamic approval rules.
- Provided technical guidance to associate engineers and performed peer code reviews to ensure architectural alignment and software robustness across the squad.

**Associate Backend Engineer (Loan Origination Squad)**

10/2022-12/2023

- Developed scalable microservices and 3+ core modules, optimizing system performance for high-traffic environments.
- Built a hybrid scoring system and tailored operational workflows for Surveyors and Ops Staff, supporting complex Sharia and Conventional compliance requirements.
- Collaborated in cross-functional Agile teams to deliver end-to-end solutions aligned with strategic business objectives.

**BFI Technology Development Program (Loan Origination Squad)**

06/2022-10/2022

- Accelerated mastery of complex finance business processes and internal system architectures within an intensive On-the-Job Training (OJT), achieving full readiness for squad deployment.
- Assisted in backend development and technical documentation while proactively troubleshooting bugs to ensure system stability and 100% accuracy in system documentation prior to production releases.

**PT Radio Merdeka Lokatama****IT Support (Intern)**

Surabaya, Indonesia

01/2020—02/2020

- Resolved hardware, software, and network issues through proactive troubleshooting and maintained detailed support logs for process improvement.
- Authored 30+ broadcast segments, including ad announcements, song transitions, and breaking news, contributing to daily radio operations.

**ORGANIZATIONS****Himpunan Mahasiswa Program Studi Sistem Informasi (Himaprosif)**

Surabaya, Indonesia

**Secretary**

06/2017—05/2018

- Managed administrative operations and document workflows for various department projects, ensuring organized and accessible records.
- Coordinated schedules and internal communications between organizational leaders and stakeholders to streamline project execution.

**CERTIFICATIONS**

- Language: English and Arabic Proficiency
- Microsoft Office: Proficient in Word, Excel, and PowerPoint
- Database Administration: Focused on MySQL

**TRAINING**

- Full-Stack Development: Focused on React and Node.js
- Back End Development: Specialized in Java, Go, and Kotlin
- Quality Assurance: Utilized Katalon Studio for testing

Other certifications and training, including certificates: [\[check\]](#)**AWARDS**

Awarded Full Academic Scholarship by the Ministry of Religious Affairs and the Indonesia Endowment Fund for Education Agency (LPDP), Ministry of Finance.