

M. MACHRUSH ALIY SIROJAM MUSHLICH (OJAM)

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[Yogyakarta, Indonesia](#)

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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 (Squad: Loan Origin System)

[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 (Squad: Loan Origin System)

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 (Squad: Loan Origin System)

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 (Himaproisif)
Secretary

[Surabaya, Indonesia](#)
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.