# Syah Rizan Nazri Muhammad

Tangerang, Banten, Indonesia | snazrimuh@gmail.com | +62 897 9415 320
linkedin.com/in/syahrizannazri | github.com/snazrimuh | rizan.app

## EDUCATION

**Universitas Sebelas Maret,** Surakarta, Indonesia, August 2021 – July 2025

**S1 Informatics**, GPA: 3.75/4.00 (cumlaude)

**Final thesis** : Traffic Object Detection Using YOLOV8s with Spatial-to-Depth Convolution and Small Detection Head

## EXPERIENCE

### Fullstack Engineer (contract) — Mei 2026 – Present

**Sagara Technology**

- Built a fleet management and order consolidation system for B-log, integrating IoT sensor from 4,000+ vehicles across 3 distinct systems integrate order management, driver management, KPI, and real-time monitoring.
- Developed responsive React dashboards covering order, driver, and fleet modules, including map-based views that render live tracking data at scale while staying performant under continuous updates.
- Engineered Typescript-based backend services to ingest and unify data from the 3 integrated systems, designing API-driven communication and reliable data workflows across orders, drivers, KPIs, and connected hardware.

### Backend Engineer (internship) — October 2025 – April 2026

**Lembaga Navigasi Penerbangan Indonesia (AirNav Indonesia)**

- Developed and launched a robust, scalable internal backend system using NestJS, significantly enhancing data processing capabilities and operational efficiency for critical internal functions.
- Deployed and managed a self-hosted MinIO object storage, utilizing presigned URLs to enable secure and controlled access to sensitive media assets while reducing reliance on external cloud services and enhancing data security.
- Automated CI/CD pipelines using Git Actions, integrating Docker-based containerization and deploying services via Coolify to streamline build, testing, and release processes.

### AI Trainer (freelance) — October 2024 – March 2025

**Outlier AI**

- Evaluated and validated 500+ LLM-generated outputs across programming and mathematical tasks, ensuring correctness, logical consistency, and adherence to expected problem-solving steps.
- Performed cross-language debugging of AI-generated code (e.g., Python, JavaScript), identifying logical errors, edge cases, and inconsistencies to improve dataset quality.
- Analyzed and flagged model hallucinations and failure patterns, contributing structured feedback to improve response reliability and evaluation guidelines.

### Backend Engineer Trainee — January 2025 – February 2025

**AWS Back-End Academy**

- Developed and deployed cloud-native backend services on AWS using EC2 and Lambda, focusing on scalable and cost-efficient architectures.
- Implemented Docker-based containerization and automated CI/CD pipelines using AWS CodePipeline to ensure consistent build and deployment workflows.
- Designed and structured relational database schemas to support efficient data handling and integration within backend systems.

### Mobile Engineer — February 2024 – September 2024

**SYNRGY Academy presented by PT. Bank Central Asia**

- Developed an Android mobile banking application using Kotlin and Jetpack Compose, implementing responsive UI and structured user flows aligned with financial service use cases.
- Applied Clean Architecture (MVVM) and Dependency Injection to build a modular and maintainable codebase supporting secure and scalable feature development.
- Integrated 30+ RESTful APIs using Retrofit and optimized asynchronous operations with Kotlin Coroutines, ensuring smooth handling of transaction-related processes and responsive user experience.

**Machine Learning Engineer** August 2023 – January 2024

**SYNRGY Academy presented by PT. Bank Central Asia**

- Completed 500+ hours of self-paced learning through 11 Coursera online courses (Python Automation, Data Analysis, Data Visualization, Mathematics for Machine Learning, TensorFlow Advanced Techniques, Structuring ML Projects, and Generative AI), participated in more than 100+ hours of live sessions, and completed various assignments and final evaluations.
- Led a Capstone Project team of 7 members from 3 learning paths (Machine Learning, Cloud Computing, and Mobile Development) to develop the final application, A Career Recommendation App, achieved a score of 92 out of 100.

## SELECTED PROJECTS

**Order Management System (B-Log)** 2026

Fullstack (React, Nest.js, PostgreSQL, Docker, IoT Integration)

Built a transport order management platform integrating IoT sensor data from 4,000+ vehicles across 3 distinct systems, covering fleet monitoring, driver management, and KPI tracking. Developed responsive React dashboards with map-based live tracking views and Bun-based backend services for real-time data ingestion.

**Unified Enterprise System** 2026

Fullstack (Nuxt.js, NestJS, PostgreSQL, Docker)

Built an integrated enterprise system with Single Sign-On (SSO) to unify multiple services including task management, asset tracking, and attendance/scheduling. Designed and implemented scalable RESTful APIs, modular backend architecture, and dynamic frontend interfaces for each module. Taskspace, Assetspace, Worktime, Portal

**AirNav Internal Systems (ArsipKu & NavEvent)** 2025

Backend (Laravel, NestJS, MySQL, MinIO, Docker)

Developed two backend systems for AirNav Indonesia: ArsipKu, a correspondence management platform with secure APIs, authentication, validation, and role-based access control, plus optimized database queries and indexing for high-volume transactional data; and NavEvent, a centralized event management platform with secure authentication, media storage integration, enabling real-time monitoring for event organizers Arsipku , NavEvent

**Online Service System Kab. Sukoharjo** 2024

Fullstack (Laravel, MySQL)

Developed a web-based platform to digitalize public service requests and document processing across village-level administrations. Designed backend services, database schemas, and user interfaces to support request submission and tracking, ensuring reliable and scalable multi-unit operations. Link

## SKILLS

**Technical Skills :**

- Programming Languages: JavaScript, TypeScript, Java, PHP, Python, Kotlin, C/C++, HTML/CSS
- Frameworks & Libraries: Node.js, NestJS, Bun, ElysiaJs, Tanstack Start, Express.js, Laravel, ReactJS, Jetpack Compose, Retrofit, Tailwind CSS, Bootstrap, TensorFlow, Scikit-learn, Pandas, NumPy
- Databases: PostgreSQL, MySQL, MariaDB, MongoDB
- Tools & Platforms: Git, Postman, AWS, GCP, Firebase, Docker, Figma

**Languages :** English | Bahasa Indonesia

**Interests :** Travelling, Running, Reading

## CERTIFICATE

- **TensorFlow Developer Certificate –** TensorFlow, Google (2024 – 2027)
- **Code Generation and Optimization** - IBM SkillsBuild (2025)
- **TensorFlow: Data and Deployment** – DeepLearning.AI (2024)
- **DeepLearning.AI TensorFlow Developer Specialization** – DeepLearning.AI (2024)
- **Machine Learning** – DeepLearning.AI, Stanford University (2024)
- **Mathematics for Machine Learning and Data Science** – DeepLearning.AI (2024)
- **Cybersecurity** - Cisco Networking Academy (2024)
- **Cloud Practitioner Essentials** - Dicoding (2024)