

Farhan Taufik Rahman

Software Engineer

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SUMMARY

Software Engineer with 6+ months of hands-on, full-time development since joining Hactiv8 in April 2026, shipping full-stack and mobile projects with Java (Spring Boot), Node.js, React, and React Native. Most recently built Llama Express, a real-time courier platform with Spring Boot, Kafka, and Oracle, running as multiple pods on Kubernetes with Jenkins CI/CD, automated rollback, and Prometheus/Grafana monitoring. AWS Certified Cloud Practitioner, currently in AWS re/Start, with over a year of production operations experience monitoring national satellite network services.

EDUCATION

Orbit Future Academy x AWS Sep 2026 - Now
AWS re/Start Cloud Compute

Hactiv8 - Jakarta, Indonesia Apr 2026 - Jul 2026
AI-Enhanced FullStack JavaScript Immersive Bootcamp

Indonesian Education University - Bandung, Indonesia Sep 2020 - Sep 2024
Bachelor of Electrical Engineering, Telecommunication specialization

- GPA : 3.51 / 4.00
- Honor : Cumlaude

PROJECTS

Llama Express — Real-Time Courier Delivery Platform Sep 2026
Individual Project | Fullstack Developer

- Architected an event-driven courier platform (GrabExpress-like) with Spring Boot, Oracle, Kafka, and Redis using a transactional outbox, automatic courier dispatch, and ShedLock-coordinated jobs, scaled to multiple backend pods with Kafka fan-out for real-time WebSocket (STOMP) tracking.
- Built a React + TypeScript frontend with live courier tracking on Leaflet maps and Midtrans payments secured by signature-verified webhooks; covered by 80+ backend tests (JUnit, Testcontainers) and 90 frontend tests (Jest, React Testing Library, MSW).
- Deployed on Kubernetes (Kustomize, Gateway API, NetworkPolicies) and automated CI/CD with Jenkins: SonarQube quality gate, commit-SHA images on Docker Hub, least-privilege deploys with automatic rollback and smoke tests, and HMAC-verified GitHub webhooks for PR status checks.

Tech Stack : Java, Spring Boot, Oracle, Kafka, Redis, WebSocket(STOMP), React, TypeScript, Docker, Kubernetes, Helm, Jenkins, SonarQube, Prometheus, Grafana, Cloudflare, Vercel, Midtrans

Kyriegram Mobile Apps — Instagram Clone Jul 2026
Individual Project | Mobile App Developer

- Built a cross-platform (iOS and Android) Instagram-style app with React Native and Expo, including posts, likes, comments, and follows.
- Designed a GraphQL API with Apollo Server and consumed it through Apollo Client on mobile.
- Cached feed queries in Redis on top of MongoDB Atlas, cutting feed response time from 4 s to 200 ms

Tech Stack : React Native, Expo, React, Apollo Client, Apollo Server, GraphQL, Redis, MongoDB

CosFit — AI Virtual Try-On Platform Jul 2026
Group Project | Fullstack Developer

- Integrated Fashn AI to power virtual cosplay try-on, with a Gemini API check that validates uploaded photos are full-body before processing.
- Built Steam-style community chat rooms with Socket.IO for real-time discussion between users.
- Integrated Midtrans (sandbox) for in-app payments.
- Containerized the application with Docker to keep a consistent Linux-based environment across development machines.

Tech Stack : Docker, Next.js, React, MongoDB, Vercel, REST API, Socket.IO Client, Socket.IO Server, Midtrans, Gemini API, Fashn AI, Cookies, Bcrypt, JSON Web Token, Zod

TripSync — AI Collaborative Travel Planner Jun 2026
Group Project | Fullstack Developer

- Facilitated real-time planning rooms using Socket.IO, enabling multiple users to concurrently edit travel itineraries.
- Leveraged natural language processing from the Gemini API to automatically generate smart destination recommendations and travel itineraries.
- Constructed a structured relational database architecture using PostgreSQL with Sequelize ORM, and centrally managed the frontend state through Redux.

WORK EXPERIENCE

Network Monitoring Center Operational & Maintenance

Pasifik Satelit Nusantara, SATRIA-1

Dec 2024 - Mar 2026

- Monitored the availability and performance of Komdigi BAKTI SATRIA-1 (Satelit Republik Indonesia-1) services (backhaul, hub, gateway, and reference terminal systems), while analyzing alerts, troubleshooting issues, and escalating incidents to maintain service stability.
- Accessed mini PCs, modems, and router reference terminal devices via Remote Desktop and SSH to troubleshoot connectivity issues.
- Supported field technicians in integrating modems and VSATs via the Network Management System (NMS).
- Managed incident ticketing for Komdigi, documenting and tracking issues encountered across all services to ensure timely resolution.

IT Technical On the Job Training

Perum LPPNPI Airnav Indonesia

Jun 2023 - Aug 2023

- Inspect the quality of the IoT project in the form of a Temperature Sensor in the Main Equipment Room (MER), to ensure the sensor system functions accurately and according to specifications.
- Contribute to the IoT project by creating a digital clock in UTC time format, which is implemented as a time reference tool in the work environment.
- Check and Repair the modulation of the Transmitter and Receiver on the Very High Frequency (VHF) Air to Ground (A/G) using HT Antenna and SWR meter to ensure the quality of the transmission signal.
- Repair VHF A/G by replacing the transmission modulation to improve the quality of communication on the network.

SKILLS

Programming Language	JavaScript, TypeScript, Python, Go (Golang), Java, Bash/Shell
Frontend	HTML, CSS, React.js, Next.js, Redux Toolkit, Tailwind, Socket.IO Client, React Native
Backend	Node.js, Express.js, Gin-Gonic, gRPC, Spring Boot, RESTful API, GraphQL, Apollo Server, Socket.IO Server, WebSocket(STOMP)
Database & ORM	PostgreSQL, MySQL, MariaDB, MongoDB, Oracle, Redis, Supabase, Apache Kafka, Spring Data JPA, Flyway, Sequelize, GORM
Version Control	Git, GitHub
Code Quality & Testing	SonarQube, Jest, Supertest, Postman
Monitoring	Prometheus, Grafana
CI/CD Pipelines & IaC	Jenkins, Ansible
Other DevOps & Cloud Infrastructure	Docker, Kubernetes, Helm, Kustomise, Nginx, Amazon Web Service, Linux, Vercel, Firebase, Cloudflare

CERTIFICATION

Amazon Web Service : AWS Certified Cloud Practitioner	Sep 2026
Adinusa : Automation with Ansible, Linux System Administration	Oct 2026
ID-Networkers : DevOps, AWS Cloud Administrator	Aug 2026
HackerRank : Software Engineer Intern, React, CSS, JavaScript, Go, Java, Python	Jul 2026
Dicoding Indonesia : Basic Web Programming	Nov 2025
Cisco Network Academy : Network Technician, Networking Basic	Dec 2024
MyDigiLearn : IP Transit, VPN IP, Basic IoT Device Engineer	Nov 2024
Proficiency Test of English to Speakers of Other Language Score : 477/677	Jul 2024