

PROFESSIONAL EXPERIENCE -

PTPN 1 Regional 5

Jun 2022 – Present

Software Engineer

Surabaya, ID

- **Architected comprehensive mobile solution** using Flutter and Laravel for plantation monitoring, serving hundreds of field agents across multiple regional offices
- **Engineered IoT-integrated factory systems** with real-time sensor data processing, significantly reducing manual data entry and improving operational accuracy
- **Led comprehensive UI/UX transformation** of inventory management system, dramatically improving user satisfaction and adoption rates
- **Developed scalable microservices architecture** using Golang (Fiber framework) to support high-availability API infrastructure with optimized performance

Bitnova Indonesia

Dec 2021 – May 2022

Software Engineer

Surabaya, ID

- **Built secure smart contracts** using CosmWasm (Cosmos SDK) for modular blockchain applications with emphasis on security and efficiency
- **Developed Carbon Emission Calculator** application with real-time data processing capabilities and environmental impact tracking
- **Created comprehensive UI/UX flows** for lightweight crypto wallet, including secure transaction interfaces and user-friendly address management

Digital Movement ID

Jan 2021 – Nov 2021

Software Engineer & IoT Developer

Surabaya, ID

- **Engineered IoT-based traffic monitoring system** using Arduino, Raspberry Pi, and Python with integrated cloud dashboard for real-time analytics
- **Developed company websites** that significantly enhanced branding and generated substantial increase in qualified leads
- **Integrated multi-sensor data streams** into scalable backend infrastructure supporting real-time data visualization and monitoring capabilities

EDUCATION & TECHNICAL CERTIFICATIONS -

Bachelor of Informatics Engineering

University of 17 August 1945 Surabaya 2014 – 2018

Professional Development:

MikroTik Certified Trainer, Advance Flutter Development, Blockchain Technology, Machine Learning Development, UI/UX Design Fundamentals

CORE TECHNICAL SKILLS -

Mobile & Frontend:

Flutter (2+ years), Dart, Android (Kotlin/Java), React, JavaScript (ES6+), HTML5/CSS3, UI/UX Design

Backend & APIs:

Node.js, Python, PHP (Laravel), Go (Fiber), RESTful APIs, Microservice architecture

Database & DevOps:

MySQL, PostgreSQL, MongoDB, Docker, CI/CD (Github Actions), Git, Sentry, Performance Optimization

Blockchain

Web3 Development, Smart Contracts, DeFi Protocols

SELECTED PROJECTS -

Toko Kopi Staria Modern E-Commerce Platform (React)

Modern e-commerce solution for specialty coffee brand. Features responsive design, integrated payment gateways, and inventory management system.

SAPA AMANAH Monitoring (Flutter + Laravel + MySQL)

Enterprise plantation monitoring app serving hundreds of field agents. Features offline-first architecture, real-time synchronization, and streamlined data collection workflows.

LegalSafe Document Archiving (Laravel + Security Integration)

Secure web-based e-archiving platform for sensitive legal documents. Implements role-based access control, audit logging, and advanced search capabilities.

OSS Planters Delivery Tracker (Android Java + Laravel + GPS)

Mobile delivery tracking application for PTPN XII to PT IGG operations. Includes real-time GPS tracking, status updates, and comprehensive reporting dashboard.