

Jody Yuantoro

Software Engineer

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Malang, East Java, Indonesia

SUMMARY

As a Software Engineer with expertise in web and mobile development, I am creating innovative and user-friendly solutions that solve real-world problems. I am currently pursuing my S.Kom degree in Informatics Engineering at the University of Muhammadiyah Malang, where I have honed my skills in Web Development, Mobile Development, and UI/UX design.

EDUCATION

Universitas Muhammadiyah Malang

Bachelor of Computer Science (GPA 3.79/4.00)

Malang, East Java, Indonesia

June 2021 – Present

WORK EXPERIENCE

PT Len Industri (Persero) · Internship

Software Engineering

Bandung, West Java, Indonesia

February 2024 – July 2024

- Create a StingEO Micro Frontend in Combat Management System with real-time camera stream with RTSP to WebRTC with Module Federation & Webpack
- Integrating Cesium OpenLayer for 3D map
- Integrating Len UAV simulation models with Cesium
- Create a Publish & Subscribe data stream with rustDDS for a Tauri App to communicate with other client
- Create a drawing measure feature layer features (Point, Line String, Polygon, and Circle) in OpenLayer & OLCesium
- Implement Military Symbols MIL-STD2525D and handle symbols filter from LayerSource
Tech Stack: React, Webpack, Module Federation, OpenLayer, Cesium, Rust, Tauri

Informatics Laboratory UMM · Part Time

Lead of Information System

Malang, East Java, Indonesia

January 2024 – Present

- Manage CI/CD of Docker Image & Container Deployment with Jenkins
- Create System Infrastructure & Architecture Documentation with XWiki
- Maintenance Server Infrastructure and Project Deployment with Portainer, Docker & Proxmox
- Re-engineering Laboratory Loan System using Next.js
- Re-engineering frontend of iLab website, implemented NextJS, MaterialUI, and Redux Toolkit to enhance user experience.
Tech Stack: NextJS, MaterialUI, Redux Toolkit
- Developing & designing itJacket applications that functions to make it easier for assistants to access information about jackets lab stock for more than 500 informatics students.
Tech Stack: Flutter, GetX State Management

PT Lingkup Total Technology · Freelance

Android Developer

Surabaya, East Java, Indonesia

February 2022 – December 2022

- Develop iMOS Android OS for PT PAL Indonesia, meeting specific requirements and functionalities; streamlined production processes, reducing manufacturing lead time by 25%
- Integrate more than 10 iMOS Sub Apps to built in iMOS by default.
- Ensured the security and stability of iMOS by inlining the source every 2 months with the latest AOSP security patches.
- Built iMOS as a Generic System Image (GSI) to ensure compatibility with 5 device vendors, providing flexibility and accessibility for end-users.

HONORS & AWARDS

2nd Winner of UI/UX Design: Lomba Nasional Kreativitas Mahasiswa LO Kreatif 2022

foodCare, Inovasi Aplikasi Berbagi Makanan Berlebih pada Masyarakat Sekitar

Certificate: [LOKreatif JodyYuantoro](#)

Issued by APTISI VII JATIM
November 2022

ORGANIZATION

Developer Community UMM

Coordinator of Design Multimedia Division

February 2022 - Present

PROJECTS

[ngubalanDaring](#)

December 2023

Website that helps the people of Ngubalan Village to take care of administration easily, quickly and efficiently.

- Develop website frontend with ReactJS, implement shadcn/ui design system and consume backend service with Redux Toolkit.
- Develop website backend with expressJS, IBM Security Verify 2FA and MySQL and deployed in Docker Portainer.
- Create Simple Storage Service (S3) with MinIO to store generated documents from the backend securely.

Tech stack: React, TailwindCSS, shadcn/ui, Redux Toolkit, expressJS, Prisma ORM, MySQL, MinIO S3 & IBM Security Verify 2FA

[foodCare](#)

November 2023

Website to help donors who want to donate their excess food voluntarily to people who need sufficient food as a source of protein and their daily nutrition.

- Develop website frontend with NextJS, implement MaterialUI (MUI) design system.
- Develop website backend with expressJS, PrismaORM, Supabase.

Tech Stack: NextJS, FlowbiteUI, tailwindCSS, Redux Toolkit, Prisma ORM & Supabase

[ngubalanSmartChat](#)

August 2023

This system will function to provide information and services to the people of Ngubalan Village quickly, easily and efficiently.

- Develop website frontend with native HTML and EJS.
- Develop website backend with expressJS.
- Create DocsGenerator service with docx-templater to generate user request signed documents.
- Create WhatsApp service with whatsapp-js to handle user messages.

Tech stack: JS, EJS, NodeJS, ExpressJS

[pintarin](#)

March 2022

An online learning platform specifically designed for beginners in programming.

- Develop a mobile app with native Java.
- Integrate mobile app with Google Firebase as Authentication service.

Tech stack: Java, Firebase

[xdroidOSS Open Source Project](#)

April 2021

An Android OS with Minimal Design Oriented which offers a streamlined and simplistic user interface that prioritizes minimalism and ease of use.

Tech stack: Java, Linux Kernel, AOSP

SKILLS & TECH STACK

Design Tool: Figma

Android Development: Linux Kernel, Makefile, AOSP

Programming Language: TypeScript, JavaScript, Dart, SQL, Rust

Front End: Module Federation, Webpack, React, Next.JS, Redux Toolkit, TailwindCSS, shadcn/ui

Back End: ExpressJS, Prisma ORM

DevOps: Jenkins, Proxmox, Docker, Github, Gitlab