

Work Experience

Software Engineer Order team	Tinkerlust Jakarta, Indonesia	2023–2024
<ul style="list-style-type: none">● Enhanced User Experience: Increased user checkout conversions by implementing a guest cart and order checkout feature, enabling new users to complete purchases with minimal data entry using only their phone number, shipping address, and cart details. Guest order data is stored in the database only upon submission to prevent storing unnecessary or incomplete data, with interim checkout steps saved in localStorage. Users receive WhatsApp notifications about their order updates using their provided phone number after the order is processed.● Seamless Shipping Integration: Reduced delivery times by ~50% by integrating GrabExpress and AnterAja to allow users to get same-day and next-day shipping, ensuring delivery address accuracy using Google Maps API to store pinpoints in the customer system. This improvement was well received by Head of Operations and CTO, addressing customer demand for expedited shipping methods.● Zalora Integration: Removed 100% of manual work for Operations by integrating Zalora's Order API to ensure orders were synchronised between Zalora and Tinkerlust. Implemented webhooks to receive order creations and updates from Zalora to ensure orders are automatically mirrored in our system.● QRIS Payments: Improved payment convenience for users by integrating QRIS, the most popular digital payment method in Indonesia. Provided an alternative to Gojek QR payments, making it easier for users to complete their orders. We implement it using Midtrans Qris E-wallet payment API, with midtrans payment responses stored in our backend then we send it to the frontend so the user can see the QRIS payment QR image.		
Junior Software Engineer Order team	Tinkerlust Jakarta, Indonesia	2021-2023
<ul style="list-style-type: none">● Marketing Automation: Increase conversion rates for promotions by ~1.8% by integration Whatsapp Business API for Marketing to send customized promotions to different customer segments. This feature allowed marketing to create and store dynamic WhatsApp templates in the database, which the backend system populated with specific customer or product details (e.g., name, product, email) for targeted messaging.● Unified Authentication: Reduced login errors by 50% which allows users to use a single set of credentials to log into their customer and seller accounts by implementing a single login feature using a generic user table, allowing users to access both customer and seller accounts with a single set of credentials. This involved using JWT sessions for backend authentication, axios interceptors for refreshing access tokens on the frontend, and a custom AuthProvider to protect authorized pages like profile, wishlist, and order history.		
Software Developer Intern	LPK Primedia Semarang, Indonesia	2020
<ul style="list-style-type: none">● Admin Panel Development: Facilitated school data management by developing a web-based admin panel system for the AKUBISA application using the Laravel framework.● Feature Implementation: Supported the "Merdeka Belajar" program by creating CRUD features for managing literacy and numeracy data, enhancing educational processes.● Data Management: Streamlined school operations by designing and implementing CRUD features for managing student, teacher, class, and subject data.● Character Mapping: Developed features for recording and printing student character mapping results, helping schools manage and track character development.		

Education and Trainings

- **Machine Learning Student at Bangkit Academy.** 2021
- **B.Sc. Computer Science**, University of Dian Nuswantoro, Semarang, Indonesia | GPA: 3.77 2017-2021

Technologies and Languages

- Languages: Javascript, Typescript, Ruby, Python, PHP.
- Technologies: MySQL, Postgres, Git, Node.js
- Frameworks: React, Next.js, Ruby on Rails, Express, Hono, Laravel.

Projects

- **My Personal Portfolio** - Developed a portfolio website using Next.js 14 with App Router, implementing server components, parallel & intercepted routes. Integrated an AI-powered chatbot using Retrieval-Augmented Generation (RAG), Langchain, OpenAI embeddings, and Pinecone vector store. The chatbot utilizes Groq and Gemini LLMs to answer user questions based on trained context. Enhanced UI with Shadcn, Tailwind CSS, and Framer Motion for improved design and animations. imamseptian.site
- **JSON-Shift** - Created a tool for extracting and converting web data into structured JSON format using Puppeteer for scraping and Cohere for embeddings. Utilized LLMs like Gemini and Groq for intelligent processing, enabling users to customize JSON outputs based on specified attributes, such as extracting manga details, personal info, or news articles. For more detail check the [website](#) or [Github Repository](#).
- **Kostku Mobile App** - Created a mobile app for managing boarding houses. Frontend: React Native; Backend: Laravel PHP; Notification system: Whatsapp-web-JS. [Github Repository](#)
- **AyoHealthy Menu Recommendation**, developed a recommendation system for the AyoHealthy app using TensorFlow and KNN during Bangkit Academy capstone project, implementing collaborative filtering and content-based methods. Integrated with frontend/mobile apps via API. [Github Repository](#).