Jonathan Adiwibowo

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Linkedin | Github | Portfolio

EXPERIENCE

TRAVELOKA   *Tangerang, Indonesia*
Software Engineer   January 2024 - Present

- Migrated user authentication from Auth0 to AWS CognitoM2M, enhancing security, scalability, and reducing costs.
- Cleaned up and removed unused APIs, resulting in improved system performance and easier maintenance.
- Refactored the pricing model for the cruise product to display costs per passenger in the storefront, enhancing user transparency and clarity.
- Implemented a double-write approach for database migration, ensuring data integrity and a smooth transition.
- Designed and implemented a gift voucher system to boost revenue and enhance customer engagement.
- Developed and optimized an elegant process for curating and presenting cruise packages, integrating them into broader travel offerings to enhance user experience and drive sales.
- Created a new API combining product details and ticket information, streamlining data retrieval and improving user experience.
- Assisted in implementing bundle features, search functionalities, and autocomplete in merchandising to improve user experience and product discovery.
- Refactored job scheduler from DocumentDB to AWS Lambda, optimizing scheduling efficiency, reducing costs associated with DocumentDB writes, and improving overall system performance.
- Refactor autocomplete functionality and ensure backward compatibility for seamless auto-switching of ticket items.
- Deploy and assist in the release of the new Disney Cruise, including integrating popularity scores and cruise line data into the search system.
- Enhance user acquisition by refactoring the autocomplete and location picker in the Experience funnel, improving discoverability and user engagement.
- Migrated Redis caching from the Search service to the Discovery service and implemented Spring Boot @Cacheable with response compression to reduce latency and enhance system performance.
- Implement a consumer-producer architecture using Amazon SQS to enable reliable data tracking and asynchronous communication between services.
- Accelerate infrastructure modernization by migrating supply-pricing services to demand-pricing services on AWS, enabling better scalability and cost efficiency.
- Designed and implemented a dynamic category-tier system with feature-controlled editing of main categories, categories, and subcategories, enhancing upper-funnel optimization, expanding user reach, and improving navigational simplicity on search and destination pages.

TOKBAN   *Jakarta, Indonesia*
Software Engineer   January 2023 - January 2024

- Sole Developer of e-commerce apps for construction material using flutter, BLoC state management, and using REST API for connection between apps and backend.
- Implement Moengage push notification.
- Implement reverse geocoding for the user's delivery location.
- Implement google sign in for user login inside apps.
- Develop seamless changes in product with tier price and tier product.
- Develop pagination for transaction list inside apps to reduce load time and request

- Develop a debouncing function to prevent users spamming and reducing timeout requests.

Dropezy (YC W22) *Jakarta, Indonesia*
Software Engineer March 2022 - November 2022
- Helped porting of Dropezy PWA into flutter with revamped design.
- Helped Windows users to set up docker with a Unix based environment and create the documentation.
- Helped development of Enterprise Management System (EMS) for managing categories, products, stores, banners using Retool.
- Refactored mongoDB aggregation queries to utilize indexes for more efficient queries in EMS.
- Part of a multinational team with engineers from Indonesia, Vietnam, Turkey, Canada, Uganda, Nigeria and Kenya.

Prototype Surat Kerja for Dewan Perwakilan Rakyat *Jakarta, Indonesia*
Freelance October 2021 - December 2021
- Developed a new Progressive Web App using flutter that can be installed via a website without package installation. The login base comes from email after that shows every "Surat Kerja" in PDF that can be downloaded directly from the website or sent via email or WhatsApp.

Project Pegasus *Jakarta, Indonesia*
Freelance February 2021 - March 2021
- Developed a new management system mobile app using flutter. Using PostgreSQL as an online database in the server including updating the query from the mobile app. Every task completed must be uploaded to the server including location, remarks, and proof of picture.

EDUCATION

Universitas Kristen Petra - S. Kom | GPA: 3.56 *Surabaya, Indonesia*
Bachelor of Computer | GPA: 3.56 August 2016 - August 2020
Undergraduate Thesis: Personal Protective Equipment Detection using YOLO and Faster R-CNN ([Link](#))

CERTIFICATION

AWS Technical Essential November 2024
MongoDB Basics August 2022

SKILLS

Programming Languages	: Dart, Java, JavaScript, Python, TypeScript, Golang, Java, Rust
Frameworks	: Flutter, YOLO, Faster R-CNN, Keras, Express.JS, SpringBoot
Databases	: MySQL, PostgreSQL, MongoDB, Firestore, DocumentDB, DynamoDB
Tools and Technologies	: Retool, Git, TensorFlow, Firebase, Moengage, Amazon Web Services, Sqitch, Hibernate, Datadog
Languages	: English *(proficient),* Bahasa Indonesia *(native)*