Fajar Maulana

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SUMMARY

Professional Web Developer since 2022 with experience in real web application projects. Always improve the skills in the field of frontend and backend. And try to stay up to date with the latest technology.

WORK & PROJECT

PT. Kampung Marketerindo Berdaya (Komerce) **Purbalingga, Central Java, Indonesia**

Frontend Web Developer (Middle Level) 06/2024 – Present

Here, I successfully managed 6+ digital products simultaneously using modern technologies (React.js, Vue.js, Next.js, Nuxt.js). Improved Core Web Vitals and overall website performance metrics while implementing frontend architecture best practices across all projects. Implemented micro frontend architecture for migration from legacy code to React.js. Demonstrated expertise in React.js, Vue.js, Next.js, and Nuxt.js frameworks with a proven track record in legacy system modernization and revamp projects.

- **Komtim (Nuxt.js)**
  - Redesigned main pages for Komtim and Customer Service with focus on conversion optimization and enhanced user experience.
  - Improved Core Web Vitals across all landing pages to achieve faster loading times.
  - Built wishlist system and talent recommendation engine for talent pool page to boost user engagement.
  - Refactored existing architecture into modular and reusable components for long-term maintainability.
  - Developed a comprehensive talent performance dashboard with advanced data visualization.
  - Built multiple administrative features to streamline operational efficiency.
  - Resolved critical bugs and stabilized systems inherited from legacy codebase.

- **RajaOngkir (Next.js)**
  - Led end-to-end development of RajaOngkir API landing page from ground up.
  - Executed complete redesign and rebranding of the main landing page.

- **Komclass (Next.js)**
  - Delivered complete landing page revamp focused on conversion optimization and brand positioning.

- **Komplace (Vue.js)**
  - Improved landing page design and content strategy for better user engagement.
  - Integrated new pricing models and subscription details into the platform.

- **Komship (React.js and Vue.js)**
  - Built a detailed partner information management system for the admin dashboard.
  - Maintained and resolved bugs to ensure system reliability.
  - Led end-to-end development of Komship landing page from ground up with React.
  - Executed complete redesign and rebranding of the main landing page.

- **Komcards (React.js and Nuxt.js)**
  - Performed troubleshooting and bug resolution for legacy codebase stability.
  - Led end-to-end development of Komcard landing page from ground up with React.
  - Executed complete redesign and rebranding of the landing page.

- **Komerce Landing Page (Nuxt.js)**
  - Executed full redesign focused on conversion optimization and brand awareness.

- **Partner Dashboard (React.js and Vue.js)**
  - Successfully integrated the Komtim system into the partner dashboard ecosystem.
  - Migrating legacy code from Vue.js to React.js with React Router (for SSR) bit by bit using the Micro Frontend approach.
  - Resolved critical issues from legacy code to ensure system stability.

Sea Labs Indonesia   **South Jakarta, Jakarta, Indonesia**
Software Engineer   01/2024 – 05/2024

In this internship, I did several projects such as
- **E-Wallet App (React.js and Golang)**
  - Create REST API to register a new user, send an email for account verification, let the user to login and insert auth token to http only cookie, refresh access token when it expired, send an email for reset password request, reset user password by reset password token, let the user to logout, top up wallet balance, transfer balance to other user, get profile data, get transaction data with some filters and pagination, get recent transaction, update profile, and change password.
  - Create the unit test for each service and handler.

- Developed the register page, login page, the dashboard page based on UI Design. The dashboard page consists of some components to see and edit profile, change password, see simple statistics and latest transactions in the last week, see all transactions, top up the wallet balance, and transfer balance to other users.

- Integrate the frontend and backend side and deploy them with Docker and Nginx.

● **Sneakers Store App (React.js)**

- Developed the register page, login page, landing page, product list page, product details page, and admin page to see their product, add a product or category, update a product, and delete a product.

● **Healthcare App (Next.js and Golang)**

- Developed the register page, login page, forgot password page, reset password page, cart flow components from update cart to payment, product details page, add to cart feature, and profile page that consists of some features to update profile, see list of user address, add address, update address, delete address, change password, see list of all orders (success, pending, processing, sending, canceled), confirm payment, see order details, cancel the order, and confirm the shipment.

- Create REST API to let user to login with Google OAuth, get list of provinces, get list of cities by province id, get list of districts by city id, get list of sub districts by district id, and reverse a coordinate point to province, city, district, sub district, address, and postal code.

- Fill the products and pharmacies table and all tables that have relation with them with 11807 health products data that scraped from some healthcare websites and one million pharmacy data that scraped from some website and public API. All data is carried out by data cleaning and data transformation first to suit the desired data form, then converted to .sql format. In this process, data mapping is carried out using location data from raja ongkir and nominatim.

Universitas Negeri Semarang   **Semarang, Central Java, Indonesia**
NLP and Web Developer   10/2022 – 12/2022

UniFACT is an application built with Vue.js and FastAPI and equipped with a Deep Learning model with a Bidirectional Temporal Convolutional Network architecture so that it can classify Indonesian-language news narratives as 3 classes, namely Fabricated Content / Imposter Content, Misleading Content / False Context / Manipulated Content, and Valid. The steps I did in this project such as

- Scrap 8 thousand fact data from a trusted news portal web that consist of title and narrative.

- Scrap 8 thousand hoax data from https://turnbackhoax.id that consist of title, narrative, and the classification of hoax.

- Clean all data and build a TCN model using the scraped data.

- Create a REST API to predict an input and give a response consisting of original narrative, narrative without stop words, details of the probability in each class as a percentage, final prediction, and an explanation of why the results are that way.

- Develop a page that just has a text box with a microphone button for users who want to predict some narrative with voice and a panel to display the result of prediction.

Forum Ilmiah Matematika Nasional   **Semarang, Central Java, Indonesia**
Web Developer   08/2022 – 09/2022

FIM Application is a medium used to make it easier to organize the quiz round of a competition called Forum Ilmiah Matematika Nasional. This app is built with Vue.js and Express.js. The steps I did in this project such as

- Create REST API to register new committee as app user, let the user to login and insert auth token to http only cookie, refresh access token when it expired, send an email for reset password request, reset user password by reset password token, let the user to logout, get users data, create new initial data, remove all data, get all question, contestant points, and meta data by school level, get question data by school level, update contestant point, update metadata by the answer, reset metadata of contest, update a question, and reset a question to their initial data.

- Develop the landing page, login page, forgot password page, reset password page, change password page, contest page by school level, list of questions page by school level, and page to update a question.

PT. GITS Indonesia   **Bandung, West Java, Indonesia**
Frontend Engineer   02/2022 – 07/2022

GITS Project Profitability (GPP) System is a website built with Vue.js to facilitate profit analysis, project costs analysis, and review employee logtime at PT. GITS Indonesia. In this internship, I take part in completing the statistics components in chart form in the app.

EDUCATION

Universitas Negeri Semarang   **Semarang, Central Java, Indonesia**
Bachelor of Science in Mathematics   February 2, 2023
- **GPA:** 3.64 / 4.00.
- **Honors:** Finalist of PIMNAS 33 (2020), Silver B Medalist in SDGCF (2019).
- **Relevant Coursework:** computer programming, software engineering, database, computational mathematics, genetic algorithms, algorithm analysis, numerical method.

Bangkit | Google, Gojek, Tokopedia, Traveloka   **Online**

Machine Learning Engineering   July 30, 2021

- **Certification:** TensorFlow Developer Certificate, TensorFlow: Data and Deployment, DeepLearning.AI TensorFlow Developer, Google IT Automation with Python, Google IT Support.

SKILLS, ACTIVITIES & INTERESTS

Languages:

Indonesia (Native), English (Basic).

Technical Skills:

TypeScript, Python, Go, Express.js, FastAPI, GIN, MongoDB, PostgreSQL, Next.js, Nuxt.js, Vue.js, Pinia, Vuex, React.js, Zustand, Redux, PWA, CSS Module, SCSS, Styled Components, Tailwind, TensorFlow, Beautiful Soup, Corel Draw Graphic Suite.

Activities:

- Lembaga Pembinaan Olimpiade Matematika (Chief)

- Badan Pengawas Himatika (Member of Legislative Department)

- Bina Vokalia (Household Bureau)

Interests:

Web Development, Frontend Engineering, Backend Engineering, Data Analysis, Data Science.