

Fajar Maulana

Wonosobo, Central Java, Indonesia

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SUMMARY

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

WORK & PROJECT

Sea Labs Indonesia

Software Engineer

South Jakarta, Jakarta, Indonesia

01/2024 – 05/2024

In this internship, I did several projects such as

- **Library App**
 - Create REST API to get books with filters from database, create a new book, get users data, borrow a book, and return the borrowed book.
- **E-Wallet App**
 - 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 a simple statistics and latest transactions in last week, see all transaction, top up the wallet balance, and transfer balance to other user.
 - Integrate the frontend and backend side and deploy them with Docker and Nginx.
- **Sneakers Store App**
 - 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**
 - 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 has 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
NLP and Web Developer

Semarang, Central Java, Indonesia
10/2022 – 12/2022

UniFACT is an application 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 microphone button for user who want to predict some narrative with voice and a panel to display the result of prediction.

Forum Ilmiah Matematika Nasional
Web Developer

Semarang, Central Java, Indonesia
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. 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
Frontend Engineer

Bandung, West Java, Indonesia
02/2022 – 07/2022

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

Individual Project
Frontend Engineer

Wonosobo, Central Java, Indonesia
11/2023 – 12/2023

PokeDex is a web application to display all Pokemon by the Pokémon type and catch the Pokemon to the Dex or just add them to favorites. With the support of PokeAPI which is a nested API, the data fetch process requires several stages and strategies to obtain the desired data. This app also provides a different experience when using mobile and desktop resolutions.

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, Vue.js, Pinia, Vuex, React.js, Zustand, Redux, Next.js, 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.