

FA Chalik

Fullstack Developer

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Work Experience

Frontend Web Developer

PT. Infomedia Nusantara

Oct 2022 - Present

- Translated UI/UX designs into responsive, user-friendly web interfaces
- TypeScript, Tailwind, Ant Design, Zustand, Redux, CSS
- Built scalable, interactive websites using React with TypeScript
- Optimized project delivery timelines by adhering to Agile and Scrum methodologies, fostering efficient collaboration with backend developers and UI/UX designers.
- Integrated and consumed REST APIs, ensuring seamless data flow and application functionality.

Frontend Web Developer

PUTI Telkom University

Mar 2022 - Oct 2022

- Collaborated with System Analyst, Technical Writer, and Database Manager to develop the website, enhancing user experience and project efficiency within the set timeline.
- Fixed app bugs and added new features
- Developed robust web applications utilizing CodeIgniter 3 (PHP) framework.
- Collaborated on projects utilizing the Subversion (SVN) version control system to manage code changes effectively.

Frontend Web Developer Freelance

Upana Studio

Feb 2022 - Feb 2023

- Implemented design from UI/UX
- Improved coding of Typescript and CSS to enhance user experience and functionality.
- Developed a website using React with TypeScript, demonstrating strong front-end development skills.
- Implemented Redux for global state management
- Working with agile and scrum methods to develop product
- Collaborated with a Backend developer and a UI/UX Designer to develop a product.
- Working with rest API
- Deploy the website collaboratively to ensure professional and efficient delivery.

Frontend Web Developer Intern

Kampus Merdeka X Amoeba Telkom

Sep 2021 - Feb 2022

- Implemented the UI/UX design, leading to improved user experience and engagement.
- Improved coding of JavaScript and CSS to enhance user experience and functionality.
- Working with React with JavaScript to develop a website
- Led the implementation of Redux for global state management, enhancing application scalability and performance.
- Collaborated within agile and scrum teams to develop the product, enhancing teamwork and delivering value.
- Collaborate with Backend developers, System Analysts, and UI/UX Designers to develop a product
- Collaborated closely with cross-functional teams to develop and integrate RESTful APIs, enhancing application interoperability and performance.
- Deploy the website

Frontend Web Developer Intern

Vutura.io

Jun 2020 - Aug 2020

- Implemented design from UI/UX
- Enhanced user experience and functionality by actively refining JavaScript and CSS coding techniques.
- Developed a website and chat widget using jQuery, JavaScript, Vue.js, Materialize, and Vuetify.
- Led product development using agile and scrum methodologies, improving delivery speed and team collaboration to achieve key milestones ahead of schedule.
- Collaborate with Backend, Quality Assurance, and UI/UX Designers to develop the product
- Working with REST API

Education

Telkom University

Informatics | Bachelor

Aug 2017 - Sep 2021

GPA: 3.24

Relevant coursework: Data Analysis, Computer Programming, Data Mining and Machine Learning, Computer Vision, Web Programming.

Organization:

- Staff of KOMINFO KBMS 2017-2018, Head of KOMINFO 2020-2021
- Digistar Club by Telkom Indonesia, Member 2021 - Now

Skills

Hard Skills

React, React Native, Nextjs, Redux, NestJS, ExpressJS, NodeJS, Javascript, Typescript, MYSQL, CSS, SCSS, MaterialUI, ChakraUI, NativeBase, Vercel, Netlify, Railway, Agile & Scrum, UI Design, TypeORM, Prisma ORM, Python, FastAPI, GCP, QDrant, Jenkins, Minio, PostgreSQL, PHP, Laravel, Code review, Design patterns, Containers

Soft Skills

Communication, Critical Thinking, Teamwork, Creative, Problem solving, team collaboration, willingness to learn, Team leadership, Passion for technology and programming, Analytical skills

Achievements/Organization/Committee

Grand Finalist of Indonesia Digital Tribe as team Hello Hope (National)

Jan 2022 - Jan 2022

Indonesia Digital Tribe

Projects

Paper – Classification of Dried Clove Flower Quality using Convolutional Neural Network

Detecting cloves quality in Indonesia still uses manual labor. Therefore, errors often occur in sorting cloves. The quality of cloves depends on good weather. Unpredictable weather will prolong the clove drying process and make the cloves damaged and moldy. In this study, we use the CNN architecture with several combinations, namely the number of convolutions, the number of dense layers, and the size of the layers. The CNN architecture is trained using several variations of the color space and several variations of image segmentation to classify the clove quality. This study used three color spaces (RGB, HSV, and YCbCr) and two segmentation methods (Otsu segmented and HSV color segmentation). The best accuracy is obtained by using the HSV color space, original dataset, and E-5C-64LS-4D architecture that is 96% accuracy, precision, recall, and F1-Score. To get a better model, we use the proper image segmentation method and composing the suitable color space to improve the CNN architectural performance.

<https://ieeexplore.ieee.org/document/9650199>

Dify Self Hosted - The Innovation Engine for GenAI Applications

Deploy Dify in Google Cloud Platform, Implement Vector DB integration using FastAPI Python.

Dify: <https://dify.fachalik.com>

Qdrant: https://drive.google.com/file/d/1Aj_YrbmkpAr4HqgghWej8uhHGD_gtjew/view?usp=sharing

FastAPI: <https://drive.google.com/file/d/1uOMvT-GkgabouPB8P1r6foTE55z89y1g/view?usp=sharing>

Demo: <https://dify.fachalik.com/chat/i38G01iaRKEF6FCB>

Backend – Beauty Contest BSI QA Assistant

This service was built using NestJS, Google Gemini API, TypeORM, and MySQL https://drive.google.com/file/d/1NIsV3W_Ieni9d-ElejIi6xVmD9MPfE2W/view?usp=sharing

Website & Backend – Risdik JEC

This website was made using the following tech stack:

- Backend: NestJS, TypeORM, MySQL
- Frontend: React, Formik, Bootstrap

Frontend : <https://inforisdik-riset.jec.co.id/loginBackend> : https://drive.google.com/file/d/1z2A8bG2qwhO_tj7vJwWHLByY2QHXXXti/view?usp=sharing

Website – LMS JEC

This website was made using ReactJS with TypeScript, MaterialUI, Formik, and Zustand.

<https://elearning.jec.co.id/>

Website – Portfolio Website

This website was made using Next.js with TypeScript and Material-UI, and was deployed using Vercel: <https://www.fachalik.my.id/>

Backend Service – Portfolio Website

This backend service was made using Express.js with JavaScript, Sequelize, and Cloudinary, and deployed on Railway. <https://be-porto-chalik-production.up.railway.app/>

Website – Orthophysio

This website was made using ReactJS with JavaScript and ChakraUI, and was deployed on Jagoan Hosting. <https://orthophysiobrace.com/>

Website – Weather App

This website was made using ReactJS with JavaScript, Tailwind CSS, and was deployed on Vercel

<https://weather-web-fachalik.vercel.app/>

Website – Dearhope

This website was made using Next.js with JavaScript, ChakraUI, and was deployed on Jagoan hosting

<https://dearhope.id/>.

Mobile – Dearhope

The mobile app was built using React Native with JavaScript, Redux Thunk, and NativeBase; https://play.google.com/store/apps/details?id=com.hope_doctor_mobile.

Certification

Google IT Automation with Python (Coursera)

<https://www.coursera.org/account/accomplishments/professional-cert/0UW88NCR08CK>