Kayla Namira Mariadi

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https://github.com/kaylanamira | https://bit.ly/PortfolioByKayla

PROFILE

A 3rd year Informatics Engineering student with a keen interest in software engineering and web development. Passionate in seeking opportunities to further leverage technical skills and creating efficient and scalable solutions. Eager to learn and gain experiences particularly in the field of full-stack development.

EDUCATION

Bandung Institute of Technology
Bachelor of Informatics   2022 - 2026 (Expected)
Relevant Coursework:
Algorithms and Data Structure, Software Engineering, Web Based Development, Database Modelling and Management, Object Oriented Programming, Computer Network, Artificial Intelligence, Machine Learning.

PROFESSIONAL EXPERIENCE

Software Engineering Laboratory STEI ITB   *Bandung*
Laboratory Assistant   Aug 2024 – Present

- Developed detailed project specifications for the software engineering course participants
- Supervised 50+ students throughout the project development and implementations process, fostering a deeper understanding of software development processes
- Evaluated student projects to ensure they met quality standards and provided feedback for improvement

PROJECTS

Linkinpurry (Linkinpurry)   Nov 2024

- Linkinpurry is a social web that enables user to connect with each other with user authentication and chat feature
- The frontend is developed with **Typescript**, **React**, **TailwindCSS**, while the backend is built with Fastify, utilizing **RESTful API**, **JWT**, and **Websocket**
- Using **MySQL** as database with **PrismaORM**
- Utilized **Docker** for containerization

Wikirace Solver Web (Wikirace Solver)   April 2024

- Wikirace is a website that scrapes Wikipedia to find the shortest navigation steps between 2 wikipedia article using IDS and BFS algorithm
- The frontend is developed with **React, TailwindCSS,** and **shadcn**. The backend is built with **Go**, utilizes **Gocolly** for the scraping

Bezier Curve Visualizer Web (BezierVisualizer)   March 2024

- Bezier Curve Visualizer is a web to visualize the creation of Bezier Curve which implements DnC algorithm utilizing **React** and **Javascript**

Salon Reservation Web (SEASalon)   Dec 2023

- Developed a fullstack salon management and reservation website with **NextJS, MongoDB, TailwindCSS,** and **NextAuth**.
- User can book salon appointment and choose the desired service
- Admin can manage the salon branches and appointments

AWARDS

6th Place, INTERFEST Web Design Competition   Nov 2024

Designed the UI of RuangKita, a supportive web platform aimed to help teenagers navigate mental, physical, and social growth.

ORGANIZATIONAL EXPERIENCE

Curriculum and Methods Staff at TECInternship 2023   Sep 2023 - Feb 2024

Developed a comprehensive curriculum flow, formulated the effective teaching methods to deliver the established curriculum, and compiled a detailed handbook for TEC Internship 2023.

Web Developer Staff at OHU TEC 2023   Feb 2023

Participated in the web development of TEC's Open House Unit 2023

Startup Expo Staff at TEC Festival 2023   Feb 2023 - Sep 2023

- Plan Startup Expo's concepts and mechanism, conduct market research and benchmarks
- Reach out 20 startups with eye-catching innovations and great entrepreneurship value to participate in Startup Expo

Head of STEIFun Division, BPA STEI-K 2022   Nov 2022 - June 2023

Led a team of 3 staff to organize internal events for STEI-K ITB 2022 students.

SKILLS

Programming Languages: Typescript ● Javascript ● Go ● Python ● Java ● C/C++ ● PHP ● SQL
Frontend Development: HTML ● CSS ● React JS ● NextJS ● TailwindCSS
Backend Development: Express ● Fastify ● GoColly ● PrismaORM ● MySQL ● PostgreSQL ● Laravel
Database: MySQL ● PostgreSQL ● MongoDB
Tools: Git ● Docker ● Figma ● Postman ● Tableau
Other Skills: UI/UX Design ● Software Development Life Cycle ● Agile & Scrum ● Requirement Analysis