RATU KILA FATIMAH

Bandung, Indonesia | Open to Remote Work | ratukf@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFILE

A results-driven Front-End Developer with 1 year of corporate experience, 7 months of freelance project expertise in web development, and 3 months as a Software Engineer Intern. Successfully transitioned from an analytical background with a B.Sc. in Physics (GPA 3.41) and 3 years of teaching experience, demonstrating strong problem-solving, critical thinking, and the ability to rapidly master complex technologies. Highly proficient in HTML5, CSS3, and JavaScript, with deep expertise in React JS, Tailwind CSS, and Material UI. Seeking a challenging Front-End Developer role to leverage established coding skills and drive engaging user experiences.

EDUCATION

Universitas Padjadjaran   **2019 – 2024**
Bachelor Degree of Physics (GPA: 3.41)
Thesis Title: *Wind Simulation in the UNPAD Jatinangor Campus Area using RANS (Reynolds-Averaged Navier-Stokes) Approach*

WORK EXPERIENCE

PT Praisindo Teknologi   Aug 2024 – Aug 2025
Software Engineer

- Spearheaded the front-end development for a high-value Wealth Management System using React JS, MUI, and Redux, translating complex UI design into scalable web applications.
- Engineered the data layer, implementing API fetching and state management with Axios and Redux, ensuring efficient and reliable data synchronization across multiple core modules.
- Participated in a 10-session professional development training focused on modern front-end technologies, gaining proficiency in Next.js, Tailwind CSS, Vite, and Jotai state management.
- Optimized application performance and code structure, reducing initial load time by 25% and ensuring modularity and maintainability through Webpack, pair programming, and code review best practices using Git.
- Led QA and defect resolution during System Integration Testing (SIT) phase, demonstrating advanced debugging and problem-solving skills.

Self-Employed   Sept 2023 – Mar 2024
Generalist Software Engineer

- Responsible for the responsiveness of 3 website projects, ensuring user satisfaction and collaborating closely with clients.
- Applied problem-solving skills to troubleshoot and improve website functionality, resulting in enhanced user experience.
- Employed Python, SQL, PHP, and R for the analysis of over 20 datasets.

PLABS.ID – Bandung   Sept 2022 – Dec 2022
Software Engineer Intern

- Acquired foundation skills in HTML, CSS, and JavaScript, focusing on the creation and launch of two portfolio websites to showcase front-end development capabilities.
- Collaborated with senior developers to gain insight into web development and industry standards for website presentation.
- Applied theoretical knowledge to project development, enhancing coding techniques.

Numerical Methods Physics Laboratory at UNPAD – Sumedang   Feb 2021 – May 2022
Laboratory Assistant

- Developed and facilitated programming algorithm and numerical computation cases to enhance students' understanding during practical sessions.
- Evaluated over 330 practical reports and provided feedback based on assessment standards.
- Contributed to numerical problem-solving through mathematical, physical, and programming analysis.

COURSE

React JS for Intermediate   **2024**
Key topics: React Component, Props, Router, Service Worker API, PWA, Next JS, Conditional Rendering, Event, State, Hook, SEO, Props Drilling.

Data Science Academy   **2021**

Key topics: SQL Fundamental, R Fundamental, Python Fundamental, Python for Data Professional Beginner.

SKILLS

- Programming: HTML, CSS, JavaScript, TypeScript, SCSS, Bootstrap CSS, Tailwind, Shadcn, MUI, React JS, Next JS, SQL, Python, Matlab, R, Perl.
- Analytical & Critical Thinking, Coding & Scripting, Collaboration, Creative Thinking, Leadership, Teamwork.
- Microsoft Office, Google Drive, Figma, Git, GitHub.

LANGUAGE

- Bahasa (Level: Native)
- English (Level: Intermediate to Advanced)