

RAIHAN SYEKA PRAMUKASTIE

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Desa. Cikahuripan, Kecamatan Lembang, Kabupaten Bandung Barat, Provinsi Jawa Barat

Highly motivated software engineer with a strong foundation in Computer Science and a focused passion for Backend Development. Experienced in building robust web applications and RESTful services using Node.js, Laravel, and Django. Possesses a deep interest in applying computational thinking and Object-Oriented Programming (OOP) principles, such as polymorphism, to solve complex server-side challenges. Eager to contribute scalable API solutions and efficient database architecture to a forward-thinking engineering team.

Education Level

CodePolitan - **Online**

Certificate in Full Stack Web Development Bootcamp | CodePolitan Mastered MERN Stack (MongoDB, Express, React, Node.js) and RESTful API development principles.

- Completed an intensive over 12-hours "Full Stack Web Development" curriculum covering modern client-side and server-side application development.
- Built 2 interactive web interfaces using ReactJS and Tailwind CSS, improving UI responsiveness across 3 device types.
- Developed server-side logic and 10+ REST API endpoints using Node.js and Express.js, tested efficiently with Postman.
- Designed and managed data storage solutions utilizing MongoDB and MySQL for 2+ capstone projects.
- Applied Git version control for 10+ code commits and implemented foundational UI/UX design principles.

Universitas Pendidikan Indonesia - **Bandung, Indonesian.** Sep 2021 - Aug 2025

Bachelor of Computer Science Education, Faculty of Mathematics and Natural Science Education, 3.77/4.00

- Achieved 3rd Place out of 6+ participating teams in UI/UX DIMASTI-AMLI 2023 by designing an interactive prototype with 10+ main frames.
- Selected as one of 100+ participants in Gemastik 2023 and Compfest 16 (Cyber Security division), solving 3+ security challenges and CTF cases.
- Participated in LIDM 2024 (Microteaching division) and HOLOGY 7.0 (UX Designer division), competing against 30+ delegates nationwide.

Bandung Coders Bootcamp Batch 1 - **Bandung, Indonesian.** Nov 2021 - Apr 2022

Certificate in Fullstack JavaScript developer skills bootcamp

- Completed 13 weeks of intensive bootcamp focusing on practical Fullstack JavaScript development.
- Utilized the Node.js and Express.js frameworks to build 1 robust backend applications.
- Designed a relational database system handling 3+ interconnected tables for optimal data structure.
- Successfully delivered 1 final mini-projects implementing complete CRUD operations.

Work Experiences

PT Oxioo Technology Indonesia - **Malang, Indonesia (Remote)** Mar 2026 - Jun 2026

Backend Developer Internship

- Engineered 10+ scalable RESTful API endpoints using Laravel, improving data retrieval speed by 20% to support core application functionalities.
- Designed and implemented a relational database schema consisting of 10+ interconnected tables, ensuring efficient data storage to support 8+ core application modules.
- Authored interactive API documentation using Swagger for 15+ endpoints, streamlining the integration and onboarding process for a team of 4 developers.

PT Makers Institute - **Bandung** Nov 2024 - Dec 2024

UI/UX Designer

- Spearheaded the UI/UX design for 3 major projects (NEXTActions, TReats Mitra, TReats Buyer), creating a total of 60+ interactive frames and high-fidelity prototypes.
- Designed UI/UX wireframes for NEXTActions (20+ frames), successfully completing the design iteration 1 week ahead of schedule.
- Accelerated the design phase for TReats Mitra and TReats Buyer, delivering final prototypes up to 5+ days faster than the projected timeline to facilitate early developer hand-offs.

PT Widata Intelligent Solution - **Bandung, Indonesia** Oct 2023 - Jun 2024

UI/UX Designer & Engineer Internship

- Developed RumahPendidik, a question-based learning platform, successfully accommodating 50+ active users and housing 20+ interactive learning modules.

- Created 30+ frames of UI/UX design, wireframes, and prototypes for the RumahPendidik web application, ensuring responsive compatibility across 2 device types (desktop & mobile).

SMK Pasundan 1 Bandung - **Bandung, Indonesian** Feb 2024 - Jun 2024

Teacher

- Delivered hands-on network security and VLAN instruction to a class of 30+ 12th-grade students, achieving an 80% passing rate in practical lab sessions.
- Developed assessment tools and administered comprehensive exams for 30+ students, resulting in a 70% average increase in final grades compared to midterm evaluations.
- Managed dynamic classroom environments and facilitated interactive computer lab sessions to enhance both conceptual understanding and practical networking skills.

Computer Science Education UPI - **Bandung** Sep 2023 - Jan 2024

Database Practicum Assistant

- Taught basic and upper-level relational database courses to classes of 40 students, achieving a 90% student satisfaction/passing rate.
- Mentored 8+ student groups in developing a web-based ticket booking simulation project, utilizing modern web development technologies.
- Evaluated and graded database practicum assignments for 40 students, providing constructive technical feedback to improve their structural queries.

Information and Communication Technology Research Center, Bandung Institute of Technology - **Bandung** Jul 2020 - Sep 2020

Vocational School Student Internship

- Developed the front-end interface for an online course website, building 1 core pages using HTML, CSS, and JavaScript.
- Configured and deployed 50+ IoT-based GPS trackers to monitor real-time location data with high accuracy.

Organisational Experience

Google Developer Student Club UPI - **Bandung, Indonesian** Oct 2021 - Oct 2025

Member

Google-facilitated student community focused on learning and building mobile and web applications.

- Participated in 4+ workshops and training sessions focused on front-end development, enhancing practical skills in modern web technologies.
- Collaborated with a team of 5+ members to develop a product solution addressing societal problems, applying core software engineering principles.

Bandung Coders - **Bandung, Indonesian.** Aug 2022 - Present

Member

Present A local developer community facilitating networking and providing free technical training sessions.

- Organized and managed the Bandung Coders Bootcamp Batch 2, facilitating interactive training sessions for 4+ aspiring developers.
- Coordinated with a committee of 20+ members to ensure the successful execution of bootcamp modules and participant mentoring.

Generasi Baru Indonesia UPI - **Bandung, Indonesian.** Oct 2024 - Aug 2025

Manager Marketing

A selective community of scholarship awardees operating directly under the leadership of Bank Indonesia.

- Administered and maintained the GenBI UPI official website (built with NextJS), ensuring optimal performance and seamless content updates for 5+ monthly active visitors.
- Streamlined the content management workflow to publish organizational news and Bank Indonesia updates, successfully handling a database of 10+ active articles/web pages.
- Managed and optimized GenBI UPI's official website and social media platforms (Instagram, TikTok), increasing audience engagement by 30%.
- Executed digital marketing campaigns to build brand awareness and disseminate Bank Indonesia scholarship information, reaching 10k+ active users.

Skills, Achievements & Other Experience

- **Soft Skills**: Public Speaking, Leadership, Team Work, Ability to adapt quickly, Technical Documentation Cross-functional Collaboration Analytical & Computational Thinking Adaptability & Fast Learner
- **Hard Skills**: JavaScript, PHP, Node.js, Express.js, Laravel, Django REST API, NEXTJs; ReactJS, Figma; MySQL, MariaDB, MongoDB (NoSQL), Supabase; Git, GitLab Workflows, Postman; RESTful APIs, API Aggregation, Object-Oriented Programming (OOP), Relational Database Design, JWT Authentication.
- **Interest**: Web Development, UI/UX, Backend Engineering Software Architecture & System Design API Development & Integration.

- **Achievements** (2023): 3rd Champion UI/UX DIMASTI-AMLI 2023
- **Achievements** (2023): Awardee Bank Indonesia Scholarship
- **Achievements** (2024): MikroTik Certified Network Associate (MTCNA): A certification that recognizes the successful completion of training and demonstrates foundational knowledge in network administration using MikroTik RouterOS.
- **Achievements** (2024): BNSP Certified - Digital Marketing Officer (DMO): This certification from the Indonesian Professional Certification Authority validates competencies in digital marketing, covering the use of social media, content preparation, performance analysis, and optimizing the digital user experience.
- **Projects** (2024): genbiupi.com: Full-Stack Developer (3-person team at GenBI). Collaborated to build and maintain the official scholarship information portal using Next.js. Responsible for ensuring seamless full-stack integration and smooth content delivery for a database containing 10+ active articles.
- **Projects** (2025): QR Verification: Freelance Full-Stack Developer (Solo). Built an end-to-end QR code management system utilizing React, Express.js, and Supabase. Implemented secure JWT authentication and ZXing camera scanning for public verification, processing over 10+ verification requests.
- **Projects** (2025): PramLearn: Solo Developer (Thesis Project). Developed a collaborative web-based learning platform for managing classes and quizzes using Django REST API and React.js. Successfully implemented a K-Means clustering algorithm to automate group formation for 31students, reducing the group allocation process from hours to under 1 minutes.
- **Projects** (2026): DliLearn: Freelance Full-Stack Developer (Solo). Architected and deployed a collaborative, project-based e-learning platform featuring step-based missions, real-time workspaces, and a native C++ runner. Developed a robust Laravel backend and interactive React + Inertia frontend to support 33 concurrent student sessions and manage 5+ project groups.
- **Projects** (2026): HalLogic: Freelance Full-Stack Developer (Solo). Engineered a phase-based e-learning platform focusing on structured learning materials, live code experimentation with a native C runner, and real-time student progress monitoring. Built using a Laravel backend (powered by Fortify) and a React + Inertia frontend, implementing automated grading systems to evaluate 30+ active students and saving educators up to ~20 minutes of manual grading per week.
- **Projects** (2026): EduGrow: A role-based Indonesian education management platform for classrooms, schedules, learning progress, payments, registration verification, parent/teacher/admin dashboards, and school service workflows. Built with a Laravel backend and a Nuxt.js frontend using Vite + Tailwind.