

Farhan Zulkarnain Harahap

Full-Stack Web Developer

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SUMMARY

Full-Stack Web Developer with hands-on experience in designing, developing, and deploying production-ready web applications using React.js, Next.js, TypeScript, Node.js, Express.js, NestJS, Bun.js, PostgreSQL, and Prisma ORM. Skilled in building end-to-end solutions, including responsive user interfaces, RESTful APIs, secure authentication, database design, and cloud deployment. Passionate about writing clean, maintainable code and continuously learning modern technologies to deliver reliable, high-performance web applications.

TECHNICAL SKILLS

Frontend: HTML5, CSS3, JavaScript, TypeScript, React.js, Next.js, Tailwind CSS, Shadcn/UI, Redux, Zustand, TanStack Query, Three.js, Responsive Web Design, GSAP.

Backend and Database: Node.js, Express.js, Bun.js, Nest.js, RESTful APIs, PostgreSQL, Authentication, MySQL, Prisma ORM.

Tools and DevOps: Git, GitHub, GitHub Actions, Docker, Postman, Vercel, Claude Code, GitHub Copilot, Documentation, Agile/Scrum, Railway, CI/CD, Cloudinary.

AI Engineering: OpenAI, Prompt Engineering, LLM Fine-Tuning, RAG Pipelines, API Integration.

WORK EXPERIENCE

Data Entry Intern - PT Tokio Marine Indonesia

- Entered and updated insurance customer data accurately into the company's internal web-based server.
- Organized and maintained administrative documents to support systematic record management and easier document retrieval.
- Sorted and arranged customer insurance files alphabetically and by customer identification number to ensure orderly filing.

PROJECT EXPERIENCE

Full-Stack Web Developer - Reserva | raserva.web.id

<https://github.com/FarhanZulkarnainHarahap/Reserva>

Tech Stack: Next.js, React.js, TypeScript, Node.js, Express.js, PostgreSQL, Prisma ORM, Tailwind CSS, Vercel

- Designed and developed a full-stack restaurant reservation system with customer booking workflows, real-time reservation management, authentication, and an administrative dashboard, powered by Next.js, Express.js, PostgreSQL, and Prisma ORM.
- Engineered a relational database schema with PostgreSQL and Prisma ORM to improve data integrity for reservation records, live booking statuses, and restaurant availability.
- Optimized the booking flow by building responsive Tailwind CSS interfaces, real-time date and time selection, menu exploration pages, and admin dashboard features.
- Dockerized backend services for consistent local development and deployment.

Full-Stack Web Developer - Market-Snap | market-snap.web.id

<https://github.com/FarhanZulkarnainHarahap/Market-Snap>

Tech Stack: Next.js, React.js, TypeScript, Node.js, Express.js, PostgreSQL, Prisma ORM, Tailwind CSS, Vercel

- Developed a full-stack grocery e-commerce platform enabling dynamic product catalog management, shopping cart functionality, order processing, and RESTful API integration using Next.js, Express.js, PostgreSQL, and Prisma ORM.
- Engineered secure RESTful APIs to manage dynamic product catalogs, cart state changes, and customer order data with maintainable backend logic.
- Developed responsive frontend components using Tailwind CSS to deliver a fast-loading shopping experience across desktop and mobile devices.
- Dockerized backend services for consistent local development and deployment.

Full-Stack Web Developer - Nexxora Store | nexxora.my.id

<https://github.com/FarhanZulkarnainHarahap/Nexxora-store>

Tech Stack: Next.js, React.js, TypeScript, Node.js, Express.js, PostgreSQL, Prisma ORM, Tailwind CSS, JWT, Auth.js, RBAC, Vercel

- Built a scalable e-commerce application featuring JWT/Auth.js authentication, product management, shopping cart, checkout workflow, and role-based access control (RBAC) using Next.js, Express.js, PostgreSQL, and Prisma ORM.

- Implemented structured product management and secure authentication flows using Express.js and PostgreSQL to support reliable user and transaction data handling.
- Optimized client-side performance with Next.js rendering concepts and streamlined Tailwind CSS styling to reduce page load friction and improve usability.
- Dockerized backend services for consistent local development and deployment.

EDUCATION

Bachelor of Information Systems - Universitas Muhammadiyah Sumatera Utara, Medan

2020 - 2024 | GPA: 3.52

- Completed academic projects related to software development, database systems, system analysis, web development, and information technology management.
- Built a capstone project involving an AI-based waste identification system using computer vision concepts to classify waste categories from image inputs.

TRAINING AND CERTIFICATIONS

Junior Web Development Training

Digital Talent Scholarship, Medan

- Completed practical training in HTML, CSS, JavaScript, Git, responsive web development, and basic frontend workflows.

Full-Stack Web Development Student | Purwadhika Digital Technology School

South Jakarta, Indonesia | March 2025 - July 2025

- Mastered end-to-end web development core concepts through an intensive 5-month immersive training program.
- Built performance-optimized web applications utilizing Next.js for server-side rendering (SSR), static site generation (SSG), and React-based routing.
- Engineered scalable server-side applications using Node.js and Express.js, integrating robust relational database systems.
- Developed secure RESTful APIs to facilitate seamless and efficient data communication between client-side and server-side architectures.
- Collaborated in teams using Git and GitHub for version control to build, debug, and deploy fully functional web applications.
- Applied clean code practices and modern architecture patterns to optimize application loading speed and overall performance.

LANGUAGES

- Indonesian: Native
- English: Advanced