FATHURRAHMAN QARNAIN

Software Developer

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SUMMARY

A results-driven Software Developer with over 3 years of hands-on experience in frontend and full-stack web development. Specialized in modern JavaScript frameworks including React.js, Next.js, Vue.js, and Nuxt.js, with experience in building scalable and maintainable web applications, integrating RESTful APIs, and developing reusable components. Strong understanding of modern web development practices, code quality, performance optimization, and cross-functional collaboration.

PROFESSIONAL EXPERIENCE

PT Data Nusantara Adhikarya – Jakarta, Indonesia

Frontend Developer (February 2025 – Present)

- **Smart City Command Center (Banggai):** Built a centralized enterprise platform featuring a complex Role-Based Access Control (RBAC) system managing over 120+ unique roles, and integrated License Plate Recognition (LPR) and Face Recognition (FR) for surveillance.
- **Big Data Analytics (Humas Polri):** Engineered a command center platform for the National Police to monitor 8 news portals and social media sentiment, featuring an AI-powered recommendation engine and a National Heatmap GIS visualization.
- **MyZetta App (ISP Management):** Developed a robust ISP back-office system featuring a real-time live chat with takeover/handover routing, direct chat-to-ticket conversion, and automated monthly billing generation.
- **Dukcapil Digital Platform:** Developed a public welfare "Super App" for end-to-end digital civil registry submissions (e-KTP), integrating social aid (Bansos) management and healthcare facility tracking using Next.js Server Side Rendering (SSR).
- **Niaga Point Of Sale (POS):** Contributed to a comprehensive Point of Sales system including Kitchen Display Screen (KDS) and Order Status Screen (OSS), integrated with Midtrans payment gateway.
- Maintained high code reliability and performance across multiple platforms using modern tech stacks (React.js, Next.js, Vue.js) and comprehensive unit testing with Jest.

PT Hayookerja Abhinaya Indoensia – Jakarta, Indonesia

Full Stack Developer (June 2024 - February 2025)

- Architected and implemented new features for an HRIS & Job Portal application, focusing on attendance management and sales monitoring modules.
- Leveraged Vue.js and Nuxt.js for a seamless frontend experience, backed by MongoDB for flexible data storage.

PT Cakra Wijaya Solusi – Jakarta, Indonesia

Internship Software Developer (January 2024 – May 2024)

- Developed 'Cost-Estimator,' an application designed to accurately estimate project costs based on specific modules and items.
- Architected the application using React.js for the frontend, Express.js for the backend, and MongoDB for NoSQL data storage.
- Developed the corporate website (neotech.id) using TypeScript, Next.js, Tailwind CSS, and Shadcn UI.
- Built the administrative dashboard for neotech.id to streamline product management processes.
- Created custom, reusable components in React.js and Next.js to improve development efficiency and maintain code DRY principles.

PT Cakra Radha Mustika – Jakarta, Indonesia

Frontend Engineer (March 2022 – June 2023)

- Implemented React-Formik for robust input validation within a TypeScript environment.
- Managed API state efficiently using Redux.
- Developed a loyalty member website enabling customers to redeem points at local "Raja Susu" stores.
- Managed source code deployments utilizing Google Cloud Platform (GCP).
- Utilized Jira Software for Agile task tracking and project management.
- Built the Tada Tools Validator platform using Next.js and Tailwind CSS.

EDUCATION

State University of Jakarta (2021 - 2025)
Informatics and Computer Engineering Education
Bachelor of Education - GPA 3.66 / 4.00

Activities:

- Teaching Internship (PPL) – Conducted a 6-month mandatory teaching practicum at a Vocational High School (SMK), delivering Web Programming, Database Systems, and Basic Programming courses through a project-based learning approach.
- Head of Committee – Sekolah Prestasi – Led the organization and execution of Sekolah Prestasi, a flagship program organized by the Student Executive Board (BEM) of the Informatics and Computer Engineering Education department.

FREELANCE PROJECT

VoodoooCloth

Developed a web-based e-commerce platform (voodoocloth.co.id) to manage online screen printing service orders. The platform was built using modern technologies including Next.js for frontend, Express.js for backend, with Prisma ORM for database management. Implemented responsive and modern interface using Tailwind CSS, and integrated API communication using Axios for efcient client-server interactions.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, PHP
- **Frontend Frameworks & Libraries:** React.js, Next.js, Vue.js, Nuxt.js, Redux, Pinia, Tailwind CSS
- **Backend Frameworks:** Node.js / Express.js, Laravel
- **Tools & Databases:** Git, Prisma ORM, MongoDB, MySQL