# FATHURRAHMAN QARNAIN
## Software Developer
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## SUMMARY

A dedicated and results-driven Software Developer with a solid foundation in full-stack web development. Specializes in modern JavaScript frameworks (Vue.js, Nuxt.js, React.js) with extensive experience in both frontend and backend development, including building and integrating RESTful APIs. A recent graduate with a Bachelor of Education in Informatics and Computer Engineering from the State University of Jakarta, bringing hands-on experience from real-world projects and cross-functional team collaborations.

## PROFESSIONAL EXPERIENCE

### PT Data Nusantara Adhikarya – Jakarta, Indonesia
Frontend Developer  (February 2025 – Present)
- **Smart City Command Center (Banggai):** Built a centralized enterprise platform integrating 38+ government agencies, featuring a complex Role-Based Access Control (RBAC) system managing over 120+ unique roles, and integrated License Plate Recognition (LPR) 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 POS Ecosystem:** 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)

As a developer, I conducted research and implemented new features for an existing application. The app focuses on various functionalities, including attendance management, job searching, job vacancy management, and sales monitoring. I utilized Vue.js and Nuxt.js for front-end development and MongoDB for 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.

## KEY ACHIEVEMENTS

**Complex Application Development**
Successfully developed multiple complex applications from scratch, from enterprise integration platforms to consumer-facing applications, demonstrating versatility and strong technical skills

## FREELANCE PROJECT

**VoodooooCloth**
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.

## EDUCATION

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

## 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