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PROFESSIONAL SUMMARY

Full Stack Developer with **1.8 years of experience** in designing and developing production-grade web applications using **Next.js, React.js, TypeScript, JavaScript, Node.js, and Express.js**. Experienced in building scalable frontend interfaces, REST APIs, real-time applications, authentication workflows, database-driven systems, and AI-integrated solutions. Strong hands-on experience with **PostgreSQL, MongoDB, Redis, Drizzle ORM, Mongoose, JWT, OAuth, and NextAuth.js**. Skilled in developing responsive applications, integrating third-party services, managing application state, and delivering end-to-end full-stack solutions in production environments.

TECHNICAL SKILLS

- **Frontend:** Next.js, React.js, TypeScript, JavaScript (ES6+), Tailwind CSS, Redux Toolkit, React Query, GSAP, HTML5, CSS3
- **Backend:** Node.js, Express.js, REST APIs, tRPC, JWT, OAuth, NextAuth.js
- **Databases:** PostgreSQL, MongoDB, Redis, Drizzle ORM, Mongoose
- **Tools & DevOps:** Docker, Vercel, GitHub Actions, Git & GitHub, Postman, Figma
- **Languages & Concepts:** TypeScript/JavaScript (primary), Python, System Design

PROFESSIONAL EXPERIENCE

Cognizant | Full Stack Developer January 2025 - Present

- Developed and maintained production-grade web applications using **Next.js, React.js, TypeScript, Node.js, and REST APIs**.
- Designed responsive and reusable frontend components using **React.js, Next.js, Tailwind CSS, and TypeScript** to support scalable application development.
- Developed backend services and REST APIs using **Node.js and Express.js**, implementing structured request handling and integration between frontend and backend systems.
- Implemented authentication and authorization workflows using **JWT, OAuth, and NextAuth.js** for secure user access and role-based application functionality.
- Integrated **MongoDB and PostgreSQL** databases using **Mongoose and Drizzle ORM** for application data management and persistence.
- Implemented application state management using **Redux Toolkit** and optimized client-side data handling for complex application workflows.
- Developed API integrations and validated application endpoints using **Postman**, ensuring reliable communication between frontend, backend, and external services.
- Worked with **Redis** for application-level data handling and performance-oriented backend workflows.
- Used **Git and GitHub** for source-code management, branching, collaboration, and version control across development activities.
- Containerized application environments using **Docker** and supported deployment workflows using **Vercel and GitHub Actions**.
- Collaborated with development and design teams to translate requirements and **Figma** designs into functional, responsive, and user-focused web applications.
- Troubleshot application issues across frontend and backend layers, resolving functional, API, database, and integration-related problems.

PROJECTS

Enterprise Customer Service Management Platform

Technologies: Next.js, React.js, TypeScript, Node.js, Express.js, PostgreSQL, Redis, REST APIs, JWT, Tailwind CSS, Redux Toolkit, Docker, Git & GitHub

- Developed a scalable enterprise customer service management platform using **Next.js, React.js, TypeScript, Node.js, and PostgreSQL** to manage customer requests, service cases, and operational workflows.
- Built reusable and responsive UI components using **Next.js, React.js, Tailwind CSS, and TypeScript** for customer service and internal operations teams.
- Developed and integrated **REST APIs using Node.js and Express.js** for customer, case, service request, and workflow management.
- Implemented secure authentication and authorization using **JWT**, supporting controlled access to application features based on user roles.
- Designed and optimized **PostgreSQL** data models for customer records, service cases, assignments, status tracking, and transaction-related information.
- Used **Redux Toolkit** for centralized state management across complex application workflows and improved consistency between interconnected components.
- Implemented **Redis** for application-level caching and frequently accessed data to improve backend response performance.
- Integrated frontend and backend services through REST APIs and validated API requests and responses using **Postman**.
- Implemented error handling and input validation across frontend and backend layers to improve application reliability.
- Used **Docker** to maintain consistent development and application environments across the development lifecycle.
- Managed source code using **Git and GitHub**, following structured branching and version-control practices.
- Collaborated with cross-functional teams to analyze requirements, troubleshoot issues, develop enhancements, and deliver production-ready features.

Dev Overflow - AI-Powered Developer Q&A Platform

Technologies: Next.js, TypeScript, Tailwind CSS, Node.js, MongoDB, Mongoose, REST APIs, Clerk, Gemini AI Model, Git & GitHub

- Developed a full-stack developer Q&A platform using **Next.js, TypeScript, Node.js, MongoDB, and Mongoose**, enabling developers to ask questions, provide answers, vote on content, and interact with the community.
- Designed and implemented **5 MongoDB schemas** for Users, Questions, Answers, Tags, and Interactions to support structured application data and community-based workflows.
- Developed REST API functionality for **questions, answers, voting, tagging, user interactions, and content management**.
- Integrated the **Google Gemini AI model** to provide context-aware developer assistance and intelligent content suggestions across multiple application features.
- Implemented **Clerk authentication** to manage secure user authentication and application access.
- Built responsive and reusable user interfaces using **Next.js, TypeScript, and Tailwind CSS** across question creation, search, community, and profile workflows.
- Implemented programming-content presentation with **syntax highlighting** to support developer questions and answers across multiple programming languages.
- Developed search and community functionality to help users discover relevant questions, developers, and technical content.
- Implemented profile and interaction features supporting **reputation-based participation, voting, tagging, and community engagement**.
- Used **Git and GitHub** for version control, feature development, code management, and project collaboration.

CERTIFICATIONS

- **Java** - NPTEL, organized by IIT Kharagpur
- **Data Structures & Algorithms using Java** - Infosys Springboard
- **Python** - Cisco Networking Academy

EDUCATION

Bachelor of Technology - Electrical Engineering August 2022 - June 2025
Government Engineering College West Champaran, Bihar | CGPA: 8.60/10