

# JOHN SELASTIN J

Full-Stack Developer

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## EXPERIENCE

### Fullstack Web Developer

Matt Engineering Solutions

March 2022 – July 2024

Nagercoil, Kanyakumari

- **Orchestrated** the development and maintenance of responsive web applications using **React** and **Next.js**, ensuring cross-device compatibility and optimal performance. Collaborated closely with **UI/UX designers** to translate **Figma** designs into highly functional web interfaces.
- **Developed** and integrated **RESTful APIs** using **Node.js** and **Express**, optimizing data flow and backend processes. Designed and optimized database schemas and queries, enhancing data storage, retrieval, and scalability.
- **Led** the creation of a healthcare application that tracks **real-time data** such as physical activity, food intake, sleep, weight, blood glucose, and blood pressure, significantly improving patient care.
- Operated within an **agile development framework**, participating in sprint planning, daily stand-ups, and retrospectives, driving the delivery of high-quality software solutions.
- **Optimized code** and **improved initial page load times** by 30%, enhancing user experience and application performance.
- Utilized **version control systems**, particularly **Git**, for efficient code management. Assisted in the **deployment** of applications on **AWS**, contributing to the cloud infrastructure setup.
- Conducted **peer code reviews** and engaged in technical discussions, ensuring high code quality and performance improvements.

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, HTML, CSS

**Technologies:** React.js, Next.js, Express.js, Tailwind, Prisma, Material-UI, Redux Toolkit, React Testing Library

**Database:** MongoDB

**Tools:** Git, GitHub, VS Code, Figma

## PROJECTS

### Health Management Application for Diabetic Patients

- **Engineered** a comprehensive health management platform using **Next.js 13**, **Redux Toolkit**, **Prisma**, **PostgreSQL**, **Material-UI**, and **Firebase**. Integrated user authentication, an intuitive interface for a **TTM assessment questionnaire**, and real-time tracking for physical activity, food intake, sleep, weight, and blood metrics.
- **Developed** and **optimized a GPT-powered chatbot** for personalized user support, enhancing engagement and user experience.
- **Created a social community feature** enabling users to connect, share experiences, and interact through posts, likes, and comments, fostering a supportive patient community.
- **Designed** and implemented a **consultation module** allowing patients to request consultations with doctors based on their expertise, improving access to specialized medical advice.
- **Leveraged RESTful APIs** to facilitate seamless data flow and integration between frontend and backend systems. Assured application performance and scalability through rigorous testing and optimization.