

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

Live

- **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.

EDUCATION

University College of Engineering

Mechanical Engineering (BE)

Nagercoil, Tamil Nadu

AU. 2015 – April 2019