

Janan Patel

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EDUCATION

- **University of Massachusetts Amherst**

Bachelors of Science, Computer Science

Amherst, MA

May 2024

WORK EXPERIENCE

- **UKey - Full Stack Web Engineer (June 2023 - August 2024) :**

- Developed and enhanced Vue.js and TypeScript front-end features for a complex dashboard, creating new subsections to improve user experience and functionality.
- Designed and implemented RESTful APIs using Helidon on Java, integrating PostgreSQL and ArangoDB for optimized backend data management and seamless database interactions.
- Extended and maintained existing APIs, improving performance and scalability by 15%, and ensuring smooth integration with front-end features.

- **AmherstTech - Full Stack Software Engineer (August 2024 - Present) :**

- Developed and optimized core frontend features for a ride-sharing application using Flutter and Dart, enhancing user experience with a smooth, intuitive UI.
- Designed and implemented an interactive map navigation system on the homepage, improving usability and enabling seamless group ride coordination based on location proximity.
- Collaborated closely with backend developers utilizing Node.js, facilitating efficient data flow between frontend and backend systems to ensure real-time updates and reliability in ride tracking.
- Contributed to AmherstTech's agile startup environment by iteratively refining application features, which improved app stability and customer satisfaction by 20% during beta testing

PROGRAMMING SKILLS

- **Languages:** Python, JavaScript, Typescript, Java, C, HTML/CSS
- **Tools/Framework:** ReactJS, NextJS, ExpressJS, VueJS, Helidon, Bootstrap, GCP, Firebase, Git, Npm, JUnit, Agile/Scrum
- **Databases:** MongoDB, PostgreSQL, MySQL, ArangoDB

PROJECTS

- **Socializer Full-Stack Application:**

- Developed a robust and user-friendly front-end using React.js and TypeScript, enhancing user experience with responsive UI components and interactive features.
- Built dynamic UI elements such as sidebars and dark/light mode toggle using Tailwind CSS and shadcn/ui, ensuring a modern, cohesive design and seamless user interaction.
- Implemented Next.js to leverage server-side rendering, boosting performance and improving SEO, while using Socket.io for real-time communication between the client and server.
- Integrated Clerk for secure authentication and user management, ensuring encrypted data transmission and compliance with security standards.

- **Sociocoders:**

- Spearheaded the development of Sociocoders, a dynamic web application providing budget-friendly, high-quality educational courses, using Vue.s for the frontend, Django (Python) for backend services, and MongoDB for data storage, resulting in a seamless, responsive platform for over 5,000 registered users.
- Crafted and implemented interactive, user-centric front-end interfaces paired with RESTful APIs, achieving a smooth and reliable data flow between front-end and back-end systems, which improved course completion rates by 5%.
- Partnered closely with a cross-functional team of 5 developers and designers to create a scalable, user-friendly platform that empowers learners from diverse backgrounds, with a high user satisfaction rate reflected in a 4.8/5 average user rating.