Maanav Patel

Software Engineer

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PROFILE

Full stack software engineer specializing in web, mobile, and TV applications, with a growing interest in product management. Proficient in JavaScript/TypeScript, React, and various web technologies, with a proven track record of optimizing performance and enhancing user experience. Excels in communication and vendor relations, delivering high-quality solutions through effective collaboration. Passionate about driving innovation and efficiency in software development, with a keen eye for optimization and commitment to customer success.

EDUCATION

B.S. Statistics and Computer Science, Minor in Business   August 2019 – December 2022
University of Illinois   Urbana-Champaign

SKILLS

Languages
C#, C++, HTML/CSS, Java, JavaScript/TypeScript, Kotlin, Python, SQL

Frameworks and Technologies
Android, Flask, React, Redux, NoSQL, Docker, Kubernetes, Git, TV and mobile applications, Web RTC

PROFESSIONAL EXPERIENCE

Epic Systems   February 2023 – Present | Madison, WI
Software Developer | MyChart Bedside
- Engineered and implemented real-time two-way video calling on TV, revolutionizing virtual nursing workflows by slashing patient response times from minutes to seconds.
- Spearheaded compatibility solutions with hardware providers by experimenting with integration methods, architecting seamless API connections, and managing vendor relations.
- Led the integration of third-party systems into a healthcare TV app, driving a 40% increase in customer adoption.
- Enhanced Bedside TV app's accessibility by resolving critical visual focus and navigation issues, achieving WCAG compliance and improving usability for patients with diverse needs.
- Architected and deployed a Flask and React web app that accelerated test device setup by 500%, boosting team productivity and saving an estimated 20 hours per week in setup time

Solar Turbines   May 2022 – August 2022 | San Diego, CA
Software Engineer (Intern) | Plant Visualization Team
- Crafted a custom browser-based workspace management tool that automated station interface layouts, enabling preset configurations and reducing setup time by 75% for plant operators.
- Incorporated dynamic navigation functionality to route users to specific application modules, enhancing user experience and operational efficiency.
- Modernized machinery control for engineers by refactoring the UI with responsive components using Bootstrap, improving usability across various devices.

State Farm   August 2019 – December 2022
Software Engineer (Intern) | Research and Development Center   Champaign, IL
- Streamlined Python API, reducing load times by 250% for the dashboard.
- Engineered machine learning models for ServiceNow ticket classification and resolution time prediction, achieving 82% accuracy and optimizing resource allocation.
- Managed cloud services and refined complex queries, cutting response times by 50% for a high-traffic availability monitoring app.