Sahishnu Patel

SENIOR SOFTWARE ENGINEER.

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C rafting memorable user experiences with technology & design. I have 8+ years of experience building world class, resilient applications using React & TypeScript. My passion for coding extends beyond my profession; I actively engage in volunteering and personal projects allowing me to explore new technologies.

EXPERIENCE

WARNER BROS. DISCOVERY / SENIOR SOFTWARE ENGINEER – 2021 - PRESENT

Currently working as a senior front-end developer on a large agile team to build the worlds #1 media streaming platform, serving millions of daily users on www.max.com.

- Directly involved in building the Max web app from the ground up - writing core application code and developing the component library with the highest level of code quality for long-term maintainability.

- Spearheaded the development of the 'Search' suggestion and 'My List' features to enhance content discovery and personalization capabilities for users, increasing total watch time on the Max web app by 9%.

- Piloted the integration of a 3rd party localization (i18n) vendor with discoveryplus.com enabling run-time ingestion of text in a users' language, reducing deployment time of translations from weeks to minutes.

- Led a cross-functional squad of 3 software engineers responsible for increasing the discoveryplus.com site resiliency through automated unit and end-to-end testing, maintaining a minimum of 85% code coverage.

CHARLES SCHWAB / SOFTWARE ENGINEER II – 2019-2021

Worked as a senior front-end engineer to develop an application for engineering teams across the company to request, manage and configure their cloud-based development infrastructure.

- Responsible for developing a number of views, forms and reusable components for the application. Our application brought the turnaround time to spin up infrastructure for projects from weeks down to minutes.

- Led the development of a CMS editor application used to host and edit static content on informational websites. Worked directly alongside UX designers to create a seamless user experience.

- Pioneered the organization-wide repository of shared utilities, components and configuration files to be shared by multiple applications leading to an improved and consistent developer experience.

PRUDENTIAL LIFE INSURANCE / FRONT-END ENGINEER – 2017-2019

Worked in a fully agile scrum team as a front-end developer on multiple Angular 5 applications which facilitated financial professionals to drive millions of dollars in insurance policy sales.

- Led the effort to develop and share organization-wide best practices for developing MEAN stack apps. Conducted a bi-weekly code club to foster continuous learning and knowledge among engineers.

- Collaborated closely with DevOps engineers to create the organizations first CI/CD pipeline in Jenkins, reducing the code delivery time from weeks down to minutes for all development teams.

- Spearheaded the development of LifeInsight, a program to help customers understand the current and projected value of their life insurance policies, which directly contributed to a $20+ million contract.

VOLUNTEERING

ATMIYA CARE CHARITIES / LEAD FRONT-END DEVELOPER – 2017- PRESENT

Volunteering my skills as a lead front-end developer on a small, startup-like team. Developing a growing suite of web and mobile applications for a non-profit organization with up to 15,000 users across the globe.

- Led the development of Sampark, an in-house CRM + CMS application to manage a contact database, publish media, send push notifications and control user access to various user facing applications.

- Spearheaded Yog, an intuitive event registration portal that reduced event registration setup time from weeks to minutes, enabling guests to register entire families and make payments seamlessly in one place.

- Developed and launched Sambandh, a user facing React Native mobile app to read publications, listen to audio seminars, stay up to date with organization events and participate in activities.

- Mentoring 3 junior engineers in developing production-level applications, fostering their career growth, technical proficiencies and soft skills such as problem-solving, effective communication and team work.

OTHER PROJECTS

CROSS EM UP / PERSONAL PROJECT

Launched an engaging daily word puzzle game built with NextJS. Players unscramble letters and strategically form a grid of words using all available letters. Can be found live at https://www.crossemup.xyz/.

CLOUD MR / NYU CAPSTONE PROJECT

Developed a web-based platform for visualizing MRI scans and scheduling cloud-based simulations to empower researchers at NYU Langone Health & the Center for Advanced Imaging Innovation & Research.

- Developed a 3D viewer using React, enabling users to upload MRI scans, draw regions of interest and visualize simulations for detailed analysis.

- Migrated the simulation scheduling pipeline from AWS EC2 to Lambda and S3 to optimize resource utilization for expensive calculations on the cloud, reducing the monthly infrastructure bill by 60%.

ETH CHESS / NYU CLASS PROJECT

Implemented a highly gas efficient game of chess on the Ethereum test network in Solidity. Players across the globe can wager crypto tokens and collect rewards upon winning using a state-channels protocol.

- Developed a novel mechanism for players to send chess moves to each other off-chain and only commit the final state to the blockchain. This significantly reduces gas fees in long running turn based games.

- Built a React based client to facilitate game functions like visualizing encrypted game state and signing game moves to send their opponent.

EDUCATION

New York University / Master of Science in Computer Science, GPA: 3.7 - 2023

Rutgers University / Bachelor of Science in Electrical & Computer Engineering, Magna Cum Laude - 2017

TECHNOLOGIES

React, React Native, TypeScript, NextJS, JSS, SCSS, Redux, Jest + React Testing Library, Cypress / Playwright