

Sai Nikhil Bheemanathini

Front-End Engineer

A passionate developer who brings creative ideas from areas, including networking & data storage, security, UI/UX design, and progressive web applications with a strong understanding of the entire web development process and adaptable to any work environment.

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WORK EXPERIENCE

Front End Engineer

QOMPLX, Inc

01/2019 - Present

Tysons, VA

- Develop user interface and functionality for QOMPLX:OS platform (Universe) to support core user interactions and account & identity access management.
- Migrated application styling framework from Vue-material to Vuetify resulted in writing less custom styles, less redundant class names and reducing build size by ~20% .
- Developed and maintain UI component libraries (private NPM packages) with ~25 components which are used in several products of QOMPLX:OS.
- Built and shipped UI of multiple products (~4) within a tight deadline of 45-60 days.
- Built an internal product to bring design, documentation, development, and testing of UI components into a unified platform using Storybook. This product saved ~\$700 per month for the company by not using a paid tool like Knapsack.
- Improved performance of the Keycloak IAM templates by ~75% using techniques like lazy loading, minifying & bundling files, caching following metrics like web core vitals with Lighthouse.
- Built a UI starter template with all the essential packages, linters, Webpack, unit & e2e test configurations including sample tests. This template helped several new hires in understanding the front-end tech stack used here and also to quickly spin up a front-end for any new product.
- Serve as a member on the interview panel for Front End Engineer role and so far interviewed ~30 candidates.

Front End Engineer

Pépulab, LLC

09/2017 - 09/2018

Cincinnati, OH

- Built and architected the entire application UI with over ~100 components and several thousands of lines of code as a solo Front-end engineer.
- Refactored source code down to 35% of its original size for an entire application using techniques like DRY, KISS, lazy loading, bundling & minifying files, etc.
- Utilized RxJS library to load data asynchronously and perform data operations on the fly which boosted application performance by ~15%.
- Optimized the application for speed and scalability with page load times less than ~2 seconds by deeply analyzing the web core vitals.
- Fixed bugs and memory leaks with periodic code reviews among peers following the agile methodology which resulted in ~55% boost in performance on mobile devices.

Freelance Web Developer

Self-employed

08/2016 - 08/2017

Cincinnati, OH

- Translated UI/UX design wireframes to live visual elements of the application.
- Refactored source code down to 35% of its original size for an entire application.
- Utilized RxJS library to load data asynchronously and perform data operations on the fly which boosted application performance by ~15%.
- Fixed bugs and memory leaks with periodic code reviews among peers following the agile methodology which resulted in ~55% boost in performance on mobile devices.

EDUCATION

Master's degree in Information Technology

University of Cincinnati

2016 - 2019

GPA 3.94/4.00

Bachelor's degree in Electronics and Communications

Jawaharlal Nehru Technological University

2012 - 2016

GPA 3.81/4.00

SKILLS

Technologies	HTML, CSS, SCSS, JavaScript, TypeScript, Python, NodeJS, JAMStack
Frameworks / Libraries	jQuery, AJAX, RxJS, Bootstrap, Angular, React, GraphQL, Redux, NextJS, Vue, NuxtJS, Svelte, Express, React Native, Ionic, Electron, MJML, Jest, Cypress, Prismic, Keycloak
Tools	Figma, Adobe Creative Suite, JIRA, Confluence, Visual Studio Code, Git, Gulp, Babel, Webpack, Jenkins, Docker, Firebase, Browser DevTools
Database	MySQL, PostgreSQL, MongoDB, Cloud Firestore
Soft Skills	Ability To Work Under Pressure, Time Management, Adaptability, Problem Solving, Leadership, Decision Making

PROJECTS

Weather React

iamsainikhil.com/weather-react

- Built an application to display the 24 hour & 7-day weather forecast for any location in the world using Dark Sky and Algolia services.
- Secured application API keys by deploying serverless cloud functions written in NodeJS & Express on Vercel which make API requests to the above services and relay responses to the Front-end application.
- Starred ~68 times and forked ~15 times on GitHub.
- Developed this application using HTML, SCSS, JavaScript, React and NodeJS.

Gatsby Prismic Blog Starter

gatsby-prismic-blog-starter.vercel.app

- Developed this starter template to let any user easily create a blog using Prismic as the Headless CMS and Gatsby.
- Downloaded ~900 times on NPM.
- Accepted into the official Gatsby's starter collection.
- Developed this starter using HTML, CSS, JavaScript, React, Gatsby and Prismic.

NextJS Prismic Blog Starter

nextjs-prismic-blog-starter.vercel.app

- Developed this starter template to let any user easily create a blog using Prismic as the Headless CMS and NextJS.
- Downloaded ~850 times on NPM.
- Developed this starter using HTML, CSS, JavaScript, React, NextJS and Prismic.

TrimTube

trimtube.vercel.app

- Built a PWA to search for YouTube videos and then able to trim and loop any portion of the video using YouTube API.
- A user can also save the trimmed videos to a playlist and share with others.
- Dynamically generated open graph images for any app page with random video ID by utilizing the "getServerSideProps" functionality in NextJS.
- More than ~1000 videos had been trimmed and over ~250 playlists had been created by the users world wide.
- Developed this application using HTML, SCSS, JavaScript, React, NextJS and NodeJS.

Reaction Tester Game

iamsainikhil.com/reaction-tester

- Developed this game to test a user reaction using randomly appearing mini color canvas shapes.
- Played more than ~700 times by ~500 users on various devices like mobile, tablet, and desktop.
- Developed this game using HTML5, Canvas, CSS, and JavaScript.

VOLUNTEER EXPERIENCE

Member

08/2012 - 01/2016

Bachpan Bachao

Hyderabad, India

A student Non-governmental organization(NGO) with an aim of educating poor children in government schools and improving them.

- Raised \$1000 funds which were used for the welfare of the poor children.
- Conducted fundraising event which got an immense response from over ~40,000 people.
- Demonstrated the importance of education for the poor children in a conference with ~200 attendees.

HONOR AWARDS

Q4 2020 Employee Award

QOMPLX, Inc.

- Standardized front-end development across various products with the creation of a UI starter template.
- Demonstrated ability to quickly adapt to multiple team settings (~5) & products (~4) and deliver results well ahead of deadlines.

Graduate Incentive Award

University of Cincinnati

- Received merit bonus of 50% tuition-fee waiver for achieving excellence in academics.