

SIDDHARTH SUBRAMONI (SID)

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PROFESSIONAL SUMMARY

Experienced Senior Software Engineer passionate about his work, looking forward to challenging opportunities in either front end or full stack software development.

IMMIGRATION STATUS

Canadian Citizen

EDUCATION

Master of Science in Computer Science
New York University (**GPA:** 3.4/4.0)

May 2017
Brooklyn, NY

Bachelor of Technology in ECE
University of Kerala

Apr 2012
Kerala, India

WORK HISTORY

Senior Software Engineer / Willow INC

Jul 2022 - Current

Involved in the web development of the following software projects:

Real Estate Digital Twin Web Portal

- Integrated server-side pagination along with Memoization to achieve a **90%** reduction in the loading time of the insights table submodule.
- Architect and develop specific sub modules such as reports, tickets, Copilot etc.
- Conduct sprint planning sessions by taking ownership as feature champion.
- Conduct frequent code reviews to ensure proper coding standards are maintained.
- Utilized GitHub Actions to achieve a **75%** reduction in build pipeline execution time.
- Developed an AI chat widget and middleware that interacted with LLM to fetch IoT troubleshooting data.
- Writing Playwright tests for E2E testing of different sub-modules.
- Built a **SignalR** proof-of-concept for copilot AI chat, enabling real-time streaming of LLM responses to the front-end UI.

- Owned and implemented key Copilot capabilities including chat history persistence, reasoning trace visibility, and model switching, enabling richer and more controllable AI interactions.
- Integrated **Mixpanel** to track Copilot user events and interactions.
- **Tools:** JavaScript, Typescript, React, Jest, RTL, Styled Components, Tailwind CSS, Mixpanel, Github Actions, C#, E2E Playwright Tests

Front End Developer / BIMM

Jul 2021 - Jun 2022

Involved in the web development of the following software projects:

Audi Feature Web Apps

- API integration using GraphQL.
- Splitting monolithic web app to multiple micro front end web applications.
- Writing unit tests for components using Jest and RTL.
- **Tools:** React, Redux, Context API, ES6 JS, Graph QL, Jest, RTL, React Hooks.

Software Engineer

Jul 2020 - Jun 2021

Employer: Mint Fin Solutions | Client: MyTsys Software Solutions

Involved in the web development of the following software projects:

CMS Website

- Implement Highcharts module to draw various sensor graphs of IOT devices.
- Migration of existing front-end features from one project to another.
- **Tools:** React, Redux, ES6 JS etc.

Web Software Developer / Yinzcam Inc

Nov 2018 - Jul 2020

Involved in the web development of multiple software projects:

NFL Mobile Web Apps

- Creation of ads module that caters to different viewers using React-Spring
- Use Google analytics to understand associated viewership metrics.
- Implemented OAuth login for the mobile web app.
- Built prototype of CI/CD pipeline using Jenkins
- Implemented round-robin load balancer and rate-limiting using NGINX.
- Developed and maintained a loyalty-based platform for NFL team-based mobile apps.

NBA, NRL Web Apps

- Maintain NRL dashboard, implementation of excel module etc.
- Create Chromecast receiver app for NRL teams.
- Implement static caching as part of front end for faster load times.
- **Tools:** React, Redux, Ember JS, ES6 JS, Node JS, Java, NGINX, S3, EC2, MySQL, React Spring, SASS, Artillery, UNIX commands, Jenkins