Saran Sundararajan

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Programming Languages, Frameworks & About Me

- **Expert**: Java, Python, JavaScript/ReactJS, Android/Kotlin, HTML 5/CSS 3, Flutter
- **Proficient**: NodeJS, C#, iOS/Swift, Arduino, C++
- **Code Advocate & Hackathon Veteran**: Passion for teaching students of all ages how to code.

Experience

- **CapitalOne** — Plano, TX
  Software Engineer — *June 2020 - Current*
  - **Auto Navigator**: https://www.capitalone.com/cars
    Launched user experience testing with prototype created in ReactJS/NextJS. Added instrumentation with site cat tags for Vehicle Search API's. Created Angular and React components for various filters and communicated with back-end Java API's.
  - **Financial Tech Services - The Garage**: Ported an API from a legacy system (Blaze Rule Engine) to modern Java 11 with Spring Boot and Kotlin. In charge of full flow from designing sequence diagrams, development, unit testing, and releasing the API to production.

- **Netnology.io** — Richardson, TX
  Software Engineer — *August 2019 - January 2020*
  - **Project Management Platform**: Created a platform in ReactJS and Google Cloud to show dashboards and analytics that allow project managers to quickly grasp key stats and monitor progress on projects, and have developers track time spent on stories. Cut licensing costs for the year down by 20%.

- **Cisco** — Richardson, TX
  Software Engineer (Intern) — *May 2019 - August 2019*
  - **NSO Automation**: Created a suite of python scripts to automate NSO (Network Services Orchestrator) setup and device run-time folder creation, reducing a 5-8 hour installation process down to 5-10 minutes.
  - **OS Upgrade (NSO)**: Developed a smart analytics enhancement to provide expected success/failure rate for upgrading a device. Pinpointed cause of error failure across thousands of devices by analyzing patterns between the devices and platforms and provided an escalation option with possible resolution.

- **T-Mobile** — Richardson, TX
  Tech X (Intern) — *July 2018 - November 2018*
  - **MetroPCS Catalog**: https://metropcs.surge.sh
    Performed Gap Analysis in collaboration with design team for new branding of the phone catalog page which was created with ReactJS. Managed user stories in Rally, and team communication in Confluence.
  - **Graph Automation**: Used Selenium and Python for graph data automation, raised call to action speed by 60%.

Personal Projects

- **Flair**: Python, JavaScript, ReactJS, Flask, WebSockets, HTML5/CSS3
  https://github.com/SaranSundar/Flair
  Created an open-source framework to build cross platform desktop apps with support for Python and React.
  Has full packaging solution out of the box for Windows and MacOS.
- **Firebase Chinese Novel Scraper**: Python, Firebase, Beautiful Soup, Panda, LXML, SMTP, Cron
  github.com/SaranSundar/FirebaseChineseNovelScraper
  Web scraping script which automated querying several sites for new chapters and emailing the result to all interested recipients.
- **PritiGood**: ReactJS, JavaScript, HTML5/CSS3, Surge.sh
  https://pritigood.surge.sh — github.com/SaranSundar/PritiGoodV2
  Showcase for local bakery's beautiful and unique sweets. Created custom photo gallery algorithm for random shapes and sizes using CSS Grid.

Education

- **University of Texas at Dallas** — Richardson, TX
  Bachelor of Science in Software Engineering; 3.67 Major GPA/3.37 Overall GPA — *September 2016 – May 2020*