Arun Cheriakara

647-632-0803 aruncheriakara@gmail.com aruncheriakara Portfolio

Technical Skills

Languages: Python, JavaScript, TypeScript, C/C++, HTML5, CSS3
Frameworks: React.js, Node.js, Next.js Flask, TailwindCSS
Technologies: MongoDB, AWS, GraphQL, Firebase, Stripe, Postman, Figma, Git, Flask

Experience

Litespace **Feb 2023 – Present**
Full Stack Developer *Remote*

- Developed and deployed the entire front-end of the platform using React, Typescript, MongoDB, and GraphQL.
- Boosted development efficiency by organizing front-end React components across multiple platform pages, reducing time by 30% and improving code maintainability.
- Developed multiple GraphQL APIs to query and mutate data stored in a MongoDB database.
- Developed responsive and theme-based websites utilizing front-end development frameworks like TailwindCSS.
- Integrated Nest.js backend APIs into React front-end applications, leveraging GraphQL for efficient data retrieval and manipulation.
- Designed and built over 25 reusable components using Typescript and showcased them using Storybook. | Storybook Link

Innovation Development Canada (ISED) **May 2022 – August 2022**
Telecommunication Software Engineer *Ottawa, CA*

- Developed a data prediction tool for telecom software using Python and MATLAB through data collection and analysis, resulting in a significant enhancement to the overall software performance.
- Determined antenna gains and losses for multiple satellites and verified them using Python, leading to effective antenna matching and tuning operations.
- Proficient in data analysis, modeling, and simulation for telecom systems, resulting in accurate analysis and improved system performance.

Curtiss-Wright **Sep 2021 – Dec 2021**
Hardware Designer *Ottawa, CA*

- Utilized high-speed logic analyzers and digital oscilloscopes in a laboratory setting to test and verify hardware, leading to improved product quality and lower failure rates.
- Conducted signal debugging during the initial bring-up phase and performed testing, leading to faster time-to-market and increased customer satisfaction.
- Improved testing efficiency and accuracy by creating scripts in TeraTerm, and C/C++ to verify hardware functionality.
- Proficiently utilized Git, JIRA, and Confluence, enhancing collaboration and communication within the team.

Arkalumen **Jan 2021 – May 2021**
Hardware Programmer *Ottawa, CA*

- Translated Assembly code to C programming for multiple hardware designs, ensuring successful validation by uploading to hardware.
- Programmed and validated functionality for multiple hardware designs, demonstrating proficiency in embedded application development.
- Independently designed over 10 PCBs, resulting in a 90% success rate in meeting project requirements and specifications, and reducing design errors.

University of Ottawa **May 2020 – Sep 2020**
C++ Developer *Ottawa, CA*

- Created a functional hardware/software system that measures the distance between devices for social distancing, contributing to efforts to combat Covid-19.
- Utilized embedded C programming to implement commands for the Bluetooth chip, enabling seamless communication between devices.

Projects

Noble Apparel Co | Link **Tools used:** ***React.js, TypeScript, Redux, HTML, CSS, Firebase***

- Designed and developed an e-commerce website featuring user-friendly navigation for browsing various item categories.

Omega Dashboard | Link **Tools used:** ***React, JavaScript, Material UI, Formik***

- Developed a comprehensive dashboard to display data from multiple sources and provide actionable insights.

Education

University of Ottawa **Sep 2018 – Apr 2023**
Bachelor of Applied Science in Electrical Engineering (Co-op), ***3.7/4.0 GPA*** *Ottawa, CA*