ARUN CHERIAKARA

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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 <div align="right">Feb 2023 − Present</div>
Front End Developer <div align="right">Remote</div>

- Developed and deployed the entire front-end of the platform's payment dashboard, office settings, team, and event pages using React, Typescript, and GraphQL, resulting in an increase in user engagement and improved user experience.
- Reduced development time by 30% and enhanced code maintainability by organizing front-end React.js functional components across multiple pages of the platform.
- Successfully integrated Stripe payment processing, allowing for flexible payment plans for subscriptions that range from monthly to yearly, leading to an enhanced user experience based on the chosen subscription plan.
- Developed multiple GraphQL APIs to query and mutate data stored in a MongoDB database, resulting in an increase in platform functionality and improved data security.
- Improved usability across various devices by analyzing UI/UX design for responsive layout through Figma.
- Implemented Storybook to enable component reusability across the entire platform. | 🔗 Storybook Link

Innovation Development Canada (ISED) <div align="right">May 2022 − August 2022</div>
Telecommunication Software Engineer <div align="right">Ottawa, CA</div>

- 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.

Arkalumen <div align="right">Jan 2021 − May 2021</div>
Hardware Programmer <div align="right">Ottawa, CA</div>

- 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.

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 and shopping.
- Implemented user-friendly features, such as the ability to add or remove items from the cart, update the cart, and proceed to checkout, resulting in a streamlined shopping experience for customers.
- Integrated the Stripe API to ensure secure payment handling during checkout.
- Incorporated Firebase authentication to enable users to sign up using their email or sign in with Google, which improved website security and user experience.

Sorting Visualizer | 🔗 Link **Tools used:** *React.js, JavaScript, Redux, Tailwind CSS*

- Developed a sorting visualizer web application using React and Tailwind CSS that helps users visualize and understand popular sorting algorithms, such as bubble sort, quicksort, and merge sort.
- Utilized Redux for centralized state management and separation of concerns.

RemoteMate | 🔗 Link **Tools used:** *C++, Python, React.js, Node.js, HTML, CSS*

- Built a robotic arm that is remotely controlled through a glove through C++.
- Utilized web sockets and Node.js to establish a client/server connection for robotic arm control.
- Developed automation scripts using Python programming language.

Education

University of Ottawa <div align="right">Sep 2018 − Apr 2023</div>
Bachelor of Applied Science in Electrical Engineering (Co-op), **3.7/4.0 GPA** <div align="right">Ottawa, CA</div>