

Kefan Dong

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🔧 Skills

Languages:

C/C++, JavaScript, Python, Ruby, Java, HTML/CSS, RISC-V, VHDL, SQL.

Tools, technologies and frameworks:

Docker, React, Kubernetes, jQuery, Node.js, Nginx, Shell Scripting, Git/SVN, Vim.

📁 Experiences

Software Developer – CIBC, Waterloo, ON, Canada

May 2020 - August 2020

- Developed and tested full-stack web applications using Flask and React
- Containerized applications using Docker and Nginx, the image sizes are minimized
- Added end-to-end features for the data science teams, from API calls to React binding and UI rendering
- Designed and implemented relation databases for analytical purposes

Full Stack Developer – Safyre Labs, Toronto, ON, Canada

September 2019 - December 2019

- Optimized their data filtering solution for greater flexibility and reduced the number of back-end calls by 50%
- Implemented server-side rendering on Jewlr.com and cut the loading time by 70% with a consistent SEO performance
- Created an e-commerce platform CMS that aligns user details with the database
- Developed UI modal react components using styled-components, replaced jQuery modals in application
- Designed and implemented a scalable product modal in Ruby for higher click-through rate
- Generated test cases and solved 80+ bugs during the employment

Software Developer – Big River Technologies Inc., Gananoque, ON, Canada

January 2019 - May 2019

- Developed and updated their internal websites using SharePoint, WordPress CMS and CSS in an agile methodology
- Replaced REST API with GraphQL for better performance and readability
- Built user-centered navigation and sorting options using JavaScript and jQuery
- Refactored existing code to reduce the amount of calculations and saved operating cost for the company
- Learned basic networking fundamentals including TCP/IP and HTTP protocols

🔖 Open Source

Personal Website

- Constructed a self-introductory website with React and Flask, uWSGI and Nginx are used as the middlewares
- Frontend and backend are deployed separately as containers to GCP with Kubernetes

VCoin

- Created a functional blockchain-based cryptocurrency with C++
- Encrypted each block using SHA256 and RSA

Leetcode Solutions

- Provided the solution for 100+ Leetcode questions
- Solutions are optimized for time and space complexity and follows coding practices