Vishnu Satish

Software Developer · Competitive Programmer · Grade 12 Student

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Summary

I aspire to develop scalable, impactful software using well-defined engineering principles.

Work Experience

BookJane   *Toronto, Canada*
Software Engineering Intern   *July 2022 - August 2022*

- Made significant contributions to BookJane's testing pipeline
- Wrote Ruby scripts that generated mock data of numerous real-world customer types
- Developed software that simulated real-world customer interactions with the platform and identified bugs
- Created CircleCI workflows that ran the scripts and software at a given time every day
- To write the mock data generation scripts, frequently dived into the back-end and front-end codebases and interacted with senior colleagues to gain an understanding of the architecture of the platform

Slang Labs   *Remote*
Software Developer Intern   *December 2021 - March 2022*

- Developed an online grocery marketplace that integrated the Slang Voice Assistant using React
- Utilized Redux Toolkit to store the cart's items and the user's order history
- Created the UI using Material-UI and used Flexbox and the Grid system to make the UI responsive
- Participated in meetings with senior team members and received and implemented feedback

University of Waterloo   *Waterloo, Canada*
Software Engineering Intern   *July 2021 - August 2021*

- Worked under Dr. Mei Nagappan to develop a website and framework for the Software Architecture Group (SWAG) at the Cheriton School of Computer Science at the University of Waterloo
- Conceptualized the design and architecture in collaboration with four professors and over 20 research students: https://swag.uwaterloo.ca
- Developed a Python framework whose goal was to simplify the process of scaling the website's data
- The framework enabled storing website data such as publications, members, funding partners, etc. in XML and defining relationships between data
- The framework also generated static HTML from Jinja templates that utilized the XML data

Honours & Awards

Feb. 2022   **Honour Roll and top 5% (Score: 40/75)**, Canadian Computing Competition   *University of Waterloo*

Skills

Programming   Python, Ruby, C++, Java, Node.js, web development, SQL, Data structures and algorithms

Education

The Woodlands Secondary School   *Mississauga, Canada*
High School - Enhanced Program, Grade 12   *September 2019 - July 2023 (expected)*

References

Dr. Mei Nagappan   *Associate Professor*
mei.nagappan@uwaterloo.ca   *University of Waterloo*
Nick Pimentel   *QA Lead*
nick.pimentel@bookjane.com   *BookJane*