Suren Kulasegaram

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AVAILABILITY

Available for 12 months beginning January 2024.

EDUCATION

Bachelor of Engineering in Computer Systems, Co-Op Option   Sept 2021 - Present
Carleton University, Ottawa, ON
- 3rd Year Standing | **CGPA: 11.66/12** | Dean's Honour List
- Expected Graduation: April 2026
- Relevant Coursework: Algorithms and Data Structures, OO Software Development (Java), Foundations of Imperative Programming (C), Intro to Computer Organization and Architecture, Multivariable Calculus

EXPERIENCE

Software Test Specialist Co-Op, Nokia, Ottawa, ON   May 2023 – Sept 2023
- Contributed to the test automation and regression testing of a web application using JavaScript, Node.js, MochaJS, HTML, CSS, and REST API calls, which enhanced the **quality and stability of the product**
- Investigated product defects found in the automated regression testing by creating and working with a local testing environment, using **various debugging techniques** to find the root cause, and recording and communicating my findings
- **Collaborated with senior developers** to develop a robust solution or plan of action based on the findings of the investigation for the product defect, which involved designing, coding, revising, and pushing the solution to create a Merge Request with GitLab for the changes to be saved globally

PROJECTS

Task Management Discord Bot | JavaScript, Node.js, Notion & Discord API   May 2022 – Sept 2022
- Designed and implemented a task management Discord bot using **Discord's & Notion's APIs** by taking information of tasks from a Notion calendar and having the bot send an elegant message of the tasks on Discord
- Employed asynchronous programming techniques, including **async/await**, to handle **API calls** which efficiently retrieved task data from a Notion calendar's database, and to maintain a responsive bot which can provide a elegant message when called upon.
- Designed a **data parsing mechanism** to filter out past-due tasks and sort the remaining tasks by due date for a **seamless user experience**

Task Management Discord Bot | JavaScript, Node.js, Notion & Discord API   May 2022 – Sept 2022
- **Led a 4-person team** in creating an application to analyze data from a CSV file by assigning tasks to team members, arranging weekly meetings to plan and revise task, assigning and performing code review of peer's work, and ensuring deadlines were reached
- Developed functions which allowed loading and uploading files, sorting the data, and searching through the data, then generating a team code with functions from whole team to complete the application
- Wrote and edited a technical report, with a team member, that detailed the purpose, design, and process, which contributed to the **high grade** for the team

SKILLS

Languages: Python, JavaScript, C, PHP, Java, HTML, CSS, SQL
Tools/Frameworks: Node.js, MochaJS, Git, Postman, OpenStack
Concepts: OO Programming, Debugging, Regression Testing, Test Automation, REST, CI/CD
Soft Skills: Communication, Teamwork, Adaptability, Time Management, Problem Solving, English, French, Tamil