GOVIND NAIR

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TECHNICAL SKILLS

Languages: Python, C++, Java, C, JavaScript, TypeScript, Kotlin, HTML/CSS, SQL, R, Racket

Technologies/Frameworks: Angular.js, React.js, Redux, Node.js, Docker, Kubernetes, Express.js, GraphQL, Git, Tensorflow, Keras, OpenCV, Numpy, Pandas, Material-UI, Jira

EXPERIENCE

Nokia   Jan 2023 – Apr 2023
Software Tester   *Ottawa, ON (Remote)*
- Optimized the patch process for various Network Services Platform(NSP) software versions, achieving a **100%** reduction in testing time, by automating procedures using **Robot Framework**.
- Spearheaded the development of a **Python-based automation script** for VM creation, successfully streamlining testing procedures and resulting in a **50%** reduction in testing time.
- Validated the suitability of the latest **Kubernetes** seed image versions in **qcow** and **ova** formats for **OpenStack** usage, by creating **Red-Hat Linux VMs** and conducting comprehensive tests to ensure compatibility.
- Verified the readiness of the latest **Red Hat Linux ISO image** for production use, by meticulously validating the installation of the correct **RPM** packages.
- Achieved safe release of the latest **RHEL8** and **RHEL7** patches, validated by expertly testing them through multiple VMs and performing RPM package installation verification.

Nokia   May 2022 – Sep 2022
Web Developer   *Ottawa, ON (Remote)*
- Enhanced data search efficiency by over **50%**, by implementing number and enum filters to various **Ag-grid client-side** and **server-side** tables.
- Improved user experience, by designing **Actions** and **Reducers** using **React.js** and **Redux** to persist row selection between nested tables.
- Boosted team work rate, by utilizing **Jira** within a **Scrum** team to create and report issues, fostering effective collaboration and communication.

SS&C Technologies Holdings   Sep 2021 - Dec 2021
Full-Stack Developer   *Toronto, ON (Remote)*
- Seamlessly displayed server data on the GUI, by designing and implementing a dynamically generating table component using **Angular**, **TypeScript**, and **Tailwind**.
- Facilitated seamless data display on the GUI, by creating **GraphQL** mutations with **Apollo-Angular** to communicate with a **Spring** microservice, ensuring efficient reception, filtering, and presentation of data.
- Established seamless interaction between the Angular front-end and multiple microservices, by implementing **Schemas** and **Resolvers** for a **GraphQL** middle tier.
- Boosted code coverage to above **80%**, by developing and refining unit tests with **JUnit** and **Mockito**, enhancing software reliability and performance.

PROJECTS

Recipe.io | *React.js, Node.js, Express.js, Bootstrap*   Jan 2021
- Designed and programmed a **full-stack** web application during **Hack The North 2020++** that finds recipes according to user-inputted ingredients using the Spoonacular **REST API**.
- Engineered a backend server using **Node.js** and **Express.js**, to facilitate data exchange the **REST API**.

Number Predictor | *Python, Tensorflow, Tkinter, OpenCV*   Jun 2020
- Developed a handwritten digit classification tool using **Python** and the MNIST dataset.
- Leveraged **Tensorflow** to build a **Convolutional Neural Network** model for digit classification, while employing **Tkinter** for GUI creation and **OpenCV** for processing the handwritten digits.

EDUCATION

University of Waterloo   Sep 2020 – Present
Bachelor of Computer Science (BCS)   *Waterloo, ON*
Relevant Coursework: Algorithms, Operating Systems, Data Structures and Data Management, Object-Oriented Software Development