

# GOVIND NAIR

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## TECHNICAL SKILLS

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**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

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### Nokia

Jan 2023 – Apr 2023

Software Tester

Ottawa, ON

- Optimized the patch process for various Network Services Platform(NSP) software versions, achieving an **80%** 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 validating the installation of the correct **RPM** packages.
- Achieved safe release of the latest **RHEL8** and **RHEL7** patches, validated by testing them through multiple VMs and performing RPM package installation verification.

### Nokia

May 2022 – Sep 2022

Web Developer

Ottawa, ON

- 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

- 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

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**Recipe.io** | *React.js, Node.js, Express.js, Bootstrap*

- 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 with the **REST API**.

**Number Predictor** | *Python, Tensorflow, Tkinter, OpenCV*

- 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

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**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 in C++