NAGMA KAPOOR

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PROFESSIONAL EXPERIENCE

Software Developer
Data Security, IBM Canada
May 2020 – Present

- Developing reusable and composable React.js components for a security web application using IBM Carbon components with Next.js
- Collaborated with multiple teams of developers, offering management and design across time zones

Software Developer, Part-Time
Guardium, IBM Security
September 2019 – April 2020

- Built gRPC APIs for a graph using Golang on the backend. Developed the force graph chart in React.js and D3.js
- Upgraded the automated testing framework in a separate microservice using Codecept.js for our security web application

Software Developer
Guardium, IBM Security
May 2019 – August 2019

- Improved web application performance on a Node.js and CouchDB backend
- Developed reusable and composable React.js components for a security web application using Apache Echarts and Next.js
- Built gRPC and REST APIs using Golang on the backend while following unit testing standards

Software Developer, Part-Time
Guardium, IBM Security
September 2018 – April 2019

- Improved Codecept.js testing environment to improve developer experience

Software Developer
Guardium, IBM Security
May 2017 – August 2018

- Developed reusable and composable Angular 4+ components for a security web application in Node.js, Express.js and MongoDB within a microservices architecture
- Upgraded the application to include accessibility using a11y, and followed standards for unit testing in Jasmine

TECHNICAL SKILLS

LANGUAGES: TypeScript, JavaScript, Java, HTML5, CSS, Go, SASS/SCSS, Python, C++

FRAMEWORKS: React.js, Angular.js, Express.js, Jasmine, Next.js, Codecept.js, Flask

DATABASES: CouchDB, MongoDB

VERSION CONTROL: git/GitHub, fossil

OTHER: Node.js, D3.js, JIRA, ZenHub, Mac OS, Windows, Unix/Linux, Protocol Buffers, gRPC, REST, Apache Echarts, Jupyter Notebook

PROJECTS

P2P Photo Sharing Network
- Developed a simple peer to peer shared photo album with a distributed directory in a group of 3 for CPS 706: Computer Networks I
- Built the UDP connection that utilized multi-threading, between each P2P Client and P2P Server with a simple UI in Java

Abuse Prevention ML Project
- Built a tool to investigate toxicity on social media using sentiment analysis with Python, Flask, and React.js for CPS 803: Machine Learning
- Compared VADER sentiment analyzer with Support Vector Machines (SVM), and Naïve Bayes (NB) models based on a large Twitter dataset that we generated using 10 hashtags
- Developed a tweet analyzer on our web application that allows users to test their tweets for toxicity

EDUCATION

B.Sc. Computer Science
Ryerson University 2020

B.A Cell Biology & Neuroscience; Minor: English
Rutgers University 2014

ACHIEVEMENTS & VOLUNTEERING

Judge's Choice Winner, IBM JumpStart Developer Technical Challenge 2021
IBM JumpStart Developer Day Helper: Aug 2020 & March 2021
Mentor, Canada Learning Code: March 2018
IBM Team Hackathon Winner: Watson Bot, 2018