Prem Raheja

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SUMMARY

- Results-oriented software developer and research professional with 2+ years of industry experience
- Proficient in data analysis, developing and designing software-based architectures
- Created software with the customer centric and applications with a usable and intuitive user experience while working with Quantiphi Analytics
- Researched, synthesized and evaluated technical information and break downs information into manageable components while working on the project "Music is all you need to Analyze Data"
- Constantly striving to learn new technologies and discover techniques to improve myself in this dynamic industry while pursuing Masters in University of Alberta

EDUCATION

Masters in Computing Science,Multimedia Specialization   Sep. 2019 – Dec. 2020
University of Alberta, Edmonton, Canada   CGPA: 4.0/4.0
Relevant Coursework: Multimedia Communications, Artificial Intelligence, Image and Video Processing, Virtual Reality and Telepresence, Computer Vision

Bachelor of Engineering, Information Technology Specialization   June. 2014 – May. 2018
Sardar Patel Institute of Technology, Mumbai, India   CGPA: 8.6/10
Relevant Coursework: Software Engineering, Database Management System, Cloud Computing

SKILLS

Programming Languages	: Python, Java
Database	: MySQL, MongoDB, DynamoDB, Neo4j
Cloud Platform	: Google Cloud Platform, Amazon Web Services
Framework	: Django, Flask
CI/CD Tools	: Concourse, Jenkins, Git
Tools	: Visual Studio, Eclipse, Anaconda, Docker

WORK EXPERIENCE

Software Developer   Jan. 2022 – Present.
IBM Canada Pvt Ltd, Markham, Ontario

- Implementing security components within the Solution
- Creating design documentation such as Functional Programming Specifications and high-level design documentation to implement the identified components.
- Creating test cases for developed components such that they are ready to be integrated into the product
- Provides fixes and resolves bugs to defects identified by the verification team during the SDLC
- Managing and upgrading different softwares like JIRA, Vault, Artifactory, Admin tools, ansible, Gitlab, etc.
- Creating automation scripts to migrate JIRA instances from different JIRAs to our developed and managed JIRA Software
- Creating CI/CD pipelines to ensure correct development and integration of the new upgrades

Backend Developer   July. 2021 – Oct. 2021
Brickstreet.io, Mumbai, India

- Architected and developed Brickstreet's backend system.
- Designed and developed a Role Based Security Framework. Produced schema designs and operational plans to enforce and maintain identity management workflows using Django and MongoDB

○ Developed REST APIs to cater features like instant messaging, news feed, discussion forums and shopping cart

Cloud Platform Engineer Intern   May. 2020 – Dec. 2020

Royal Bank of Canada, Toronto, Canada

○ Managing Elastic Cloud Enterprise (Elasticsearch and Kibana) and Apache Kafka Platforms deployed on private cloud using Ansible as Configuration Management tool
○ Providing ECE and Kafka as a Service to 70+ internal RBC's application teams
○ Provisioned Concourse pipeline as a build tool for executing various Ansible and Python scripts used for maintaining the platform
○ Created an automation tool to update the patching server based on the requirement of 120 servers
○ Contributing to document major scripts, How Tos and improving Git branching strategy

Software Developer   July. 2018 – Aug. 2019

Quantiphi Analytics Solution Private Limited (Athenas Owl), Mumbai, India

○ Designed and developed a file management system using REST APIs which manages 10 TB of storage, file naming, metadata of files/folders on top of Google Compute Engine and MongoDB using Python
○ Designed and developed an automated process for pre-workflow pipeline that identifies the type of input and other hyper-parameters required by the workflows
○ Defined, developed, and evolved software in a fast paced and agile development environment using latest software development methods and infrastructure
○ Collaborate with a scrum team of 20 consisting of system engineers, data scientists, and software developers to implement solutions that are aligned with extend shared platforms and solutions

SELECTED PUBLICATIONS

- Color Balanced Histogram Equalization for Image Enhancement
- Mapping Urban Ecosystem Services Using Synthetic-Aperture Radar (SAR) Images from Satellite Data for Rural Microgrids in India
- Knowledge discovery, analysis and prediction in healthcare using data mining and analytics

AWARDS

○ Awarded from University of Alberta for Painting in 3D environment using Virtual Reality(VR)
○ Awarded with Ace of Initiative and One for All Award while working with Quantiphi Analytics Solution Pvt. Ltd for my out-of-the-box thinking and problem solving skills
○ Awarded with Best Project Award for Academic Year 2018 for high design sensibility,creativity and initiative for

Volunteering and Leadership Experience

○ Conducted and managed team celebrations, team outings for 1 year attended by up to 150 people
○ Chairperson of student committee, managing various technical workshops, treks, Industrial visits for upto 240 undergrad students
○ Organized a national level Hackathon in collaboration with Computer Society of India(CSI) Mumbai Chapter which was attended by 100 teams