ROMIL JAIN

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EDUCATION

- **Master of Science (MS)** in **Computer Science**   Aug 2019 – Dec 2020 (Expected)
  State University of New York at Stony Brook | GPA: 3.52
  Courses: Distributed Systems, Analysis of Algorithms, Fundamentals of Computer Networks, Big Data Systems, Theory of Database Systems
- **Bachelor of Technology (B. Tech)** in **Computer Science and Engineering**   July 2011 – May 2015
  Manipal Institute of Technology, **Manipal | GPA: 8.42**

EXPERIENCE

- **Software Development Engineer Intern, Amazon, San Francisco**   May 2020 – Present
  - Worked towards improving the test automation framework built in Python. Added critical features and improvements that reduced time between tests by 20%.
  - Developed a Bluetooth Low Energy Sniffer using Raspberry Pi to help debug the GATT characteristics being read or written between the provisioner and the peripheral device.
- **Full Stack Developer, Whatfix, Bangalore**   July 2018 – Feb 2019
  - Worked in a team of 4 members using technologies such as Java, Google Web Toolkit and Cassandra.
  - Responsible for end-to-end feature development, code reviews and mentoring junior engineers.
  - Worked as a part of the platform team and implemented features such as export of flows as pdf and video, flows history and ability to revert a flow to a particular timestamp in the past.
- **Software Engineer II, Cisco Systems, Bangalore**   Aug 2015 – July 2018
  Project: ASR903
  - Worked as a developer in a team of 10 members in an agile setup for the ASR90X series of routers mainly dealing with TDM IMs based on SONET/SDH.
  - Successfully implemented and delivered alarm profiling feature for ASR903 platform which enables the user to create profiles for various levels such as chassis, card or port and modify severities for various alarms.
  - Worked on critical bugs such as convergence time for APS switching, High CPU usage on standby router during boot up, APSd process crash bringing them to closure well within timelines.
  - Proactively worked towards developing a web-based unit testing tool called Build Your Own Sanity to reduce regressions and time-to-commit for existing bugs using Bootstrap, PHP, Shell scripts, Python and MySQL. Can be run on a single router hence reducing the dependency on specific setups to run basic UT cases thereby increasing the efficiency and reducing time to commit by 100%.

  Project: Unified Computing System Manager (UCSM)
  - Took the initiative of automating test cases in a manual testing setup and implemented feature enhancements by writing automated scripts in python.
  - Delivered a POC for testing team for automation of APIC which helped reduce testing cycles and decreased turnaround time for QA.
- **Software Engineer Intern, General Electric (GE) Healthcare, Bangalore**   Dec 2014 – April 2015
  - Developed a tool to perform Automation and Regression Testing for HTML5 and JAVA based Graphical User Interface (GUI) to test the user interface under real world circumstances.

SKILLS

Programming Languages	Java, C, Python, C++, Golang, JavaScript
Platforms	Windows, Linux, Cisco IOS
Frameworks	Spring Boot, React

PROJECTS

- **Fault Tolerant Key/Value Store:** Currently working towards building a Sharded Fault Tolerant Key Value store built on Raft consensus algorithm using Golang.
- **RIP-Lite:** Developed a routing protocol based on Distance Vector Routing using Bellman Ford Algorithm using python and mininet which runs continuously and responds to change in weights/cost between links to update the routing table.
- **Expense Tracking Application:** Developed an Expense Tracking Application using Spring Boot, React, MongoDB and Docker with User Account functionalities.