

Samruddhi Naik

www.linkedin.com/in/samruddhinaik

+14087598781

www.samruddhinaik.com

<https://github.com/Samruddhi17>

samruddhi.naik17@gmail.com

Toronto, Canada

WORK EXPERIENCE

Cisco Systems, Canada Co. *Cloud Engineer* **November 2023 - Present**
Toronto, ON, Canada

Cisco Systems, Canada Co. *Software Engineer* **Jan 2023 - October 2023**
Intl Relocation: Toronto, ON, Canada

Cisco Systems, India Pvt. Ltd **March 2020 - Dec 2022**
Intl Relocation: Bangalore, India

Cisco Systems, Inc *Software Engineer* **April 2019 - March 2020**
San Jose, CA, USA

- Develop cloud automation software and management tools like **Terraform, Ansible, Jenkins** and work on **AWS EC2** to help build **cloud infrastructure** across multiple data centers and cloud platforms like **Elasticsearch, Cassandra, Kafka, AWS ElastiCache, RDS, RabbitMQ and SQS with Python boto3**.
- Spearheading **Kafka, Mirromaker** and **ElastiCache** platforms as a Cloud Engineer with hands-on on-call support using **PagerDuty**.
- Manage **Grafana** dashboard for metrics monitoring for these services. Long-term **capacity dashboards** to plan for future capacity and decide when to **scale-up** and handle **production issues** for platform services.
- Automate scale up/out of cloud services including **high availability and multi-site replication**.
- **Troubleshoot** and resolve issues related to the cloud services; implement **long term fixes** and automation to avoid repeat failures in the future.
- Collaborate with **application engineering teams** in solving business needs with provided cloud services.
- Currently working on building **MCP servers** and developing keen interest in **LLMs** using **AI**.

Randstad Technologies, LLC *Cloud Software Developer* **Oct 2018 - April 2019**
San Jose, CA, USA

- To provide automation and capabilities to secure the **CI-CD pipelines** used by Cisco Engineers to build products and solutions. To leverage the existing security measures by formulating **Jenkins** using **Java, Groovy and Python** scripts.
- Lastly creating Plugins and Shared libraries and using **Docker containers** to spin up image for required tools.

Silver Infotech, Inc *Software Engineer Intern* **June 2018 - Oct 2018**
Chicago, IL, USA

- To build a robust web application using technologies like **Java, CSS** and **SQL** database.
- To break big tasks into small and checking the continuous progress from beginning to end to design the web application to create a web development product.

ANSYS Inc. *Software Developer Intern* **Jan 2018 - May 2018**
Canonsburg, PA, USA

- Achieved R&D Software Quality Process automation by developing a platform independent web app for building and testing software deliverables using open source tools - **TeamCity, Jenkins, Python** and **Heroku**.
- Formulated PyTest Regression Testing Tool and extended its functionality by modifying UI design.

Blue Cross Blue Shield Association *DevOps Engineer Intern* **June 2017 - Aug 2017**
Chicago, IL, USA

- Automated management of application and server lifecycles on IBM WebSphere.
- Created and Modified **Jython** Scripts to enable/harden security and created JVM/Clusters.
- Designed Operations Dashboard using **Python Flask, Bootstrap** and **MongoDB** by refactoring previous code written in AngularJs and improved overall efficiency.

TECHNICAL SKILLS

- **Programming:** C, C++, Python, Java, Perl, R, Shell
- **DevOps Tools:** Jenkins, Ansible, Terraform, Puppet, Consul
- **IDEs:** Windsurf, Copilot, VS-Code, PyCharm,
- **Databases:** MySQL, Cassandra, MongoDB, DynamoDB, Kafka, AWS Elasticsearch, AWS ElastiCache, RabbitMQ, SQS
- **Publications:** [Indian Sign Language Interpretation](#) - International Engineering Research Journal, Jan 2016
[Depth Sensing Cameras - Comparative Study](#) - International Engineering Research Journal, Jan 2016
Big Data and Cloud Computing - an Ideal Solution? - Nov 2017

PROJECTS

Customer Voice Analysis (*Python Flask, MongoDB, Bootstrap*)

Mar 2016 – May 2016

- Collected and unified customer reviews/ratings from Twitter using sentiment analysis
- Provided understanding to organizations of their brand value over the time and helped them identify investments that target their customers.

Indian Sign Language Interpretation using Camera (*Machine Learning, OpenCV*)

Oct 2015 – Mar 2016

- Focused on gesture recognition system using a range sensing camera for interpreting the Indian Sign Language.
- The functionality of Camera was incorporated into a system to help young deaf and hard of hearing children learn Indian signs.

EDUCATION

Illinois Institute of Technology, Chicago

MS - Computer Science

3.4/4.0

Aug 2016 – May 2018

Courses:

Introduction to Algorithms, Advanced Data Mining, Big Data,

Software System Architecture, Enterprise Web Architecture

Sinhgad College of Engineering, Pune

BE- Information Technology

3.7/4.0

Aug 2012 – May 2016