# Sahil Ajmera

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## OBJECTIVE

Software engineer with experience building services for cloud infrastructure open to new opportunities.

## CORE SKILLS

- **Programming Languages**: Python, Java, C#
- **Database**: MySQL, Oracle 11g, SQL Server, H2 database engine, Cassandra
- **Orchestration Tools**: Docker, Ansible
- **Application Development**: HTML, Qt, .NET
- **Operating Systems**: Windows, Red Hat Linux, Oracle Linux, Ubuntu
- **Certifications**: MTA Cloud Fundamentals, OCJP 6, OCI 2021 Foundations Associate

## EDUCATION

**Rochester Institute of Technology**                                                                          Rochester, NY
*MS in Computer Science*                              GPA: 3.9/4.0                              Earned December 2019

**Manipal Institute of Technology**                                                                              Manipal, India
*B.Tech in Computer Science*                                                                              Earned May 2017

## WORK EXPERIENCE

**Oracle Cloud**                                                                                                    Seattle, WA
*Senior Member Of Technical Staff, Network Automation*                                      January 2022 − Present
- Reduced time taken for network model compilation by 50% by rewriting compilation test suites and making tooling updates to scale for OCI biggest regions.

*Member Of Technical Staff, Network Automation*                                      February 2020 − January 2022
- Designed critical components, led implementation, operational onboarding, client tooling and customer support for a new service replacing non-scalable solution used for compiling networking changes, saving time for network engineers and forming base for new services that automate the process of realizing networking changes in region.
- Led the implementation, operational onboarding, client tooling and customer support for a new service that automates 90% of the process of adding racks into OCI data centers, making 85% time saving month over month over existing solutions in OCI biggest regions.
- Refactored legacy code, worked with senior ICs on the team on critical features and bug fixes in complex tools and services.
- Mentored new hires on the team, promoted best coding practices, documentation and code reviews.
- Provided significant customer support freeing time for senior developers, bootstrapped cross-team services in new regions on exceptionally constrained timescales and provided operational support across Network Automation through oncalls.
- **Technologies Used**: Python, Java, Maven, Bitbucket, Teamcity, Artifactory, Docker, Grafana

**Lenovo DCG**                                                                                                    Morrisville, NC
*Software Development Co-op, Lenovo Open Cloud*                                          August 2018 − May 2019
- Created ansible workflows instantiating and configuring various platforms like CloudForms, ManageIQ and Gitlab on Lenovo RHHI (Lenovo RHHI presented at MWC-2019 and Red Hat Summit 2019).
- Created a desktop application using Qt and MQTT to demo the usage of Lenovo video acceleration solutions. The setup allows forkLift operators to view the load and lane information on smart device. (Smart inventory management presented at MWC-2019 and Lenovo Accelerate 2019).
- Created web applications to demo 3 lenovo solutions as a proof of technology – allowing customers and partners to remotely access and compare existing infrastructure with Lenovo DCG solutions. These applications perform tests on sample hardware and using the lenovo solutions.
- **Technologies Used**: Python, C#, Ruby, Juju Charms, Qt, MQTT, Red Hat Satellite, RHVM, RHEL, CloudForms, ManageIQ, Ansible, Materialize, HTML, CSS, JavaScript, .NET

**American Institutes for Research**                                                                        Washington, D.C.
*Software Engineer Intern, Assessment Platform*                                          May 2018 − August 2018
- Implemented new features in the Assessment platform based on direct client requirements on a weekly basis.
- Diagnosed various bugs by working on direct client reports as well as by working with the internal QA teams.
- **Technologies Used**: C#, .NET, HTML, CSS, JavaScript, Ajax, SQL, SQL Server