

**Experienced Software Engineer (5 years) seeking Full-Time opportunities in Software Development/Cloud.**

## Experience

Jun 2022 - Present **Senior Software Engineer II, MicroStrategy, Tysons Corner, VA.**

Core member of **Deployment & Configuration team** which is responsible for deploying MicroStrategy on Cloud product. Collaborate with teams across Europe and China on new product enhancements, and roadmaps. Onboarded new engineers to the team and mentored them.

**AI Service for Cloud Environments** | Technology used: **Python, Azure APIM, OpenAI, Cosmos DB**

- Designed a workflow that enables AI service for existing Cloud environments that includes Azure API Management Service, and OpenAI endpoints. - Engineered the development of a High-Availability RAG component for the Chatbot feature to provide contextual information while answering.

- This involved working with multiple teams, and collaborating on a unified design that allows the integration of AI service by MicroStrategy's Collaboration Server.

Nov 2021 - May 2022 **Senior Software Engineer I, MicroStrategy, Tysons Corner, VA.**

Core member of **Deployment & Configuration team**

**Design a new Access Control Layer in the Cloud Console** | Technology used: **Java, REST APIs**

- Designed a new access control layer which enables Cloud Operations team to administer environments by anyone in the group. This was implemented using a new permission layer in the web console.

**Review the security vulnerabilities, enable best practices to reduce tech debt**

Technology used: **SonarQube, Veracode, Unit Testing**

- Review and fix the security vulnerabilities in the code repositories regularly.

- Work on the unit tests, code smells and updating 3rd party libraries

Nov 2020 - Oct 2021 **Software Engineer, MicroStrategy, Tysons Corner, VA.**

Core member of **Platforms team** which is responsible for deploying MicroStrategy on the **Azure and AWS cloud platform**. Usual work involves smooth end-to-end provisioning of cloud environments, post-provisioning feature development using serverless cloud computing functions for Enterprise customers.

**One Click Upgrade** | Technology used: **Java, Python**

- Help customers **upgrade** their MicroStrategy builds on a **single click** thereby **reducing manual steps** to upgrade from 192 to 4 and the total time from multiple hours/days to 40 minutes.

- Used Azure **logic apps, function apps (serverless computing)** and **python scripts** to orchestrate the process.

**Multi-Factor Authentication for Termination of environments** | Technology used: **Java, Python, REST APIs**

- Enable the users to delete their cloud resources (Virtual Machines, Application Gateway etc.) after they authorize the actions by accepting an email.

Summer 2018 **Graduate Research Assistant, NDSSL, Biocomplexity Institute at Virginia Tech, Blacksburg, VA.**

Fall 2018 Worked on an IARPA-funded project **FunGCAT** - which encompasses the problems of Function, Organism and Threat Prediction from nucleic acid sequences. **Integrated software** into the current architecture, handled **large datasets** for Data Analysis.

## Education

2017 - 2019 **Virginia Tech, Master of Science, Computer Engineering.**

2013 - 2017 **Mumbai University, Bachelors of Engineering, Electronics and Telecommunication.**

## Certifications

Oct 2020 **AZ-204, Microsoft Azure Developer Associate, .**

## Skills

Languages **Python, Java, C, Bash** | (Databases) **MySQL**

Cloud **Microsoft Azure stack** (Logic Apps, Function Apps), **AWS stack** (Step Functions, Lambdas, S3), **GCP**

DevOps **Ansible, Packer, Terraform, AWS CodeBuild, Azure DevOps, CI/CD Pipelines**