

Experienced Software Engineer (2 years) seeking Full-Time opportunities in Software Development/Cloud.

Experience

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

Present Core member of **Platforms-Azure team** which is responsible for deploying MicroStrategy on the **Azure cloud platform**. Usual work involves smooth end-to-end provisioning of cloud environments using serverless computing functions in Azure 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 cloud 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.

- This was implemented using **RESTful APIs** and **Azure Java SDK**.

Aug 2019 - **Associate Software Engineer**, *MicroStrategy*, Tysons Corner, VA.

Oct 2020 Redesigned existing workflows for better time efficiency- achieved a **reduction of 18% in deployment time** by identifying bottlenecks.

Error-logging for troubleshooting

Made the interface more user-friendly with a better output of error messages on failed deployments which directly helped customers troubleshoot the issues.

Capacity Testing Tool | Technology used: **Python, Selenium, Locust.io**

- Worked on a PoC project to remodel an internal load testing tool, which earlier used JMeter using Selenium and Locust.io.

- Identified the ways in which the user experience can be improved. Upgraded the tool from an **earlier terminal implementation to a GUI based interface**.

- **Presented in MicroStrategy World 2020** - an annual conference for enterprise analytics.

Regularly work on performing root cause analysis and fixing time-sensitive defects affecting customer deployments.

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**

Software **MATLAB, Microsoft Azure stack** (Logic Apps, Function Apps)

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

Projects

Fall 2018 **Hyperpartisanship in News articles**, Thesis.

Explored to find how **Natural Language Processing (NLP)** methods could be used to automate the finding of hyperpartisanship in web searched articles, focusing on extraction of the **linguistic features**. We extended our work to test our findings in the web-searched articles related to midterm elections 2018.

Summer 2018 **Anamika's Bot**, Telegram API, Python, SQLite.

Developed a **Telegram Chatbot - Anamika's Bot** using **Telegram API** which serves as a To-Do List Manager.

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.