Anamika Sen

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Experienced Software Engineer (3 years) seeking Full-Time opportunities in Software Development/Cloud.

Experience

Nov 2021 - Present

Senior Software Engineer, *MicroStrategy*, Tysons Corner, VA.
Core member of **Customer Success team** which is responsible for acting as a liaison between Customer Support and Technology teams for resolving escalations. Documented the Cloud Runbook which contained detailed resolution of commonly encountered issues. Onboarded new engineers to the team and mentored them.
Reconnect Workflow for Cloud Environments | Technology used: **Java, Azure Rest APIs**
- Identified the Customer Support pain point and designed a Reconnect workflow to recover lost connection between cloud console and the cloud environments.
- This reduced the investigative hours for a recurrring issue affecting 100s of environments, and the manual intervention by Tech team to update the status of the environment.
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.

Aug 2019 - Oct 2020

Associate Software Engineer, *MicroStrategy*, Tysons Corner, VA.
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

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