

Shreenidhi Acharya

New York, NY | [LinkedIn](#) | 585-490-5750 | sa8267@rit.edu

SUMMARY

Software Development Engineer with 3.5 years of experience in agile cross-functional development and automated testing on Linux systems. Expert in streamlining workflows, optimizing server performance, and driving continuous integration and development.

EDUCATION

Rochester Institute of Technology, *MS in Computer Science (GPA: 3.76)*

August 2022 - December 2024

University of Mumbai, *BE in Computer Engineering (GPA: 4.0)*

July 2015 - May 2019

SKILLS

Programming Language: Linux/Shell Scripting, Python 3.8, C/C++, Java 17

Frameworks & Build Tools: Apache Airflow and Spark, Jenkins, Flask, FastAPI, Maven

Web Technologies & API Services: HTML/CSS, JavaScript, React.js, REST, SOAP, XML, WSDL

Databases & Cloud: PostgreSQL, MongoDB, MySQL, AWS, Azure

WORK EXPERIENCE

London Stock Exchange Group

Buffalo, NY

Software and Data Development Intern

September 2023 - December 2023

- Designed and executed a robust ETL pipeline in Apache Airflow on Linux servers boosting the data team's index loading activity by 60%.
- Developed a Shell script to fetch stock prices and performance indicators for specific dates, improving search time by 20 hours.
- Leveraged PySpark API to load 10,000 index records into enterprise databases, reducing data loading and processing time by 7 hours.
- Partnered with the data engineering team to generate data visualizations using Amazon S3 and QuickSight, enabling stakeholders to gain 30% deeper insights into key business metrics.

Tata Consultancy Services

Mumbai, India

Senior Software Engineer

June 2020 - July 2022

- Implemented a Universal Backup Solution for Linux and Unix servers using Shell scripting, reducing backup and restore time from 24 hours to 8 engineering hours.
- Introduced a billing algorithm in C++ to prevent unwanted file deletion, boosting server performance at 50+ customer sites.
- Proposed and delivered a PL/SQL stored procedure to restore corrupted Oracle users, saving the company \$1.67 million in operational losses.
- Optimized the architecture of 28 API endpoints within Flask-based web services, impacting a user base of 40,000 with a 42% faster data retrieval rate.
- Created and shipped an internal bug-tracking tool to monitor microservices logs that reduced debugging time by 10 hours for 120+ developers.

Tata Consultancy Services

Mumbai, India

Software Engineer

June 2019 - June 2020

- Facilitated a Jenkins-triggered Bash script to automate Linux server setup, streamlining the daily workflow for a team of 15 members.
- Collaborated to automate 56 sanity check operations using Python scripting, speeding up functional testing by 65% and reducing post-release defects by 25%.
- Designed a multi-branch CI/CD pipeline using Git Flow for a Spring Boot-based application, reducing development time by 10 hours.
- Debugged and enhanced 10 legacy C++ code files using GDB, significantly reducing troubleshooting time and improving code reliability.

PROJECTS

Query System | Flask, React.js, MongoDB, Data Processing

- Performed cleaning of service dataset using 15 SQL queries and Pandas library before storing in MongoDB.
- Created and integrated 5 RESTful APIs in Flask to extract relevant information and display data trends on a React-based User Interface.
- Achieved web coordination policy for the RESTful APIs in the backend with the current state of the user.

Genre World | React.js, Flask, XML, SOAP, REST, JSON

- Developed a tool in Flask to display author details and their book prices, utilizing public REST and SOAP APIs supporting data from over 150 genres.
- Extended the tool's features by adding user history and allowing users to add their preferred genres.