

Gurminder Singh

Contact No: +1 437-333-5870

Email Id: gurminder1072@gmail.com

Linkedin: <https://www.linkedin.com/in/gurminder-singh-mutta/>

Professional Summary:

- Seasoned **Python Developer** with over 5 years of experience in developing and deploying enterprise applications in the financial domain.
- Experienced in processing and scaling **big data** using various big data technologies, and adept at creating interactive dashboards using **Flask** and **Django** for data visualization.
- Proficient in **DevOps** practices with around 1.5 years of experience in designing, implementing, and managing complex infrastructures.
- Proficient in designing **CI/CD pipelines**, and well versed in tools like Docker, Kubernetes, Ansible, and Terraform on AWS, Azure and GCP.
- Strong **communicator** and **collaborative** team player committed to continuous professional development and implementing best practices in DevOps.

Key Skills:

- Python, Django, Flask
- Pandas, PySpark
- Docker, Kubernetes
- Jenkins, Azure DevOps
- Terraform, Ansible
- AWS, Azure, GCP
- SQL (MySQL, PostgreSQL, Oracle), NoSQL (MongoDB)
- CI/CD, Automation, Infrastructure as Code (IaC)
- HTML, CSS, JavaScript
- ELK Stack, Prometheus, Grafana

Professional Experience:

Python Developer/DevOps Engineer · Synechron · Mississauga, ON
Nov 2021 – Present

Responsibilities:

- **Created and deployed scalable RESTful microservices** using Flask and Django with PostgreSQL on AKS, leveraging Docker for containerization, Jenkins for CI, resulting in improved scalability and enhanced system resilience significantly.
- **Orchestrated data processing workflows** from multiple Line of Business (LOB) sources, extracting, transforming, and loading (ETL) diverse datasets for downstream consumption.
- **Involved in the development of fully automated CI/CD pipelines** by collaborating with development teams using Jenkins/Azure DevOps, leading to the automated deployment of multiple Python-based applications, significantly enhancing development workflows and reducing deployment time for feature releases.
- **Configured and maintained monitoring systems** using Prometheus, Grafana and ELK Stack, to oversee system performance including custom alerting mechanisms to address potential issues and ensure high system availability.
- **Involved in creating and integrating testing frameworks**, incorporating SAST and DAST into pipelines to ensure application security and reliability.

Environment: Python, Flask, Django, PostgreSQL, Rest APIs, Postman, Git, Apache, Ubuntu, RHEL, CentOS, Jenkins, Docker, Kubernetes, Ansible, Terraform, AWS, GCP, Azure, Prometheus, Grafana, ELK Stack, JIRA, Slack, splunk

Python Developer · Diverse Lynx · Toronto, ON
Aug 2020 – Nov 2021

Responsibilities:

- Worked on Django **ORM** and **SQLAlchemy** for Flask for signing complex queries.
- Load balancing of **ETL processes**, and database performance tuning ETL processing tools.
- Loaded the data from Teradata to HDFS using Teradata Hadoop connectors.
- Developed Restful Microservices using Flask and deployed on AWS servers using EBS and EC2.
- Developed views and templates with Django view controller and template to create a user-friendly website interface.
- Imported data using Sqoop to load data from MySQL to **HDFS** on a regular basis.
- Involved in the **CI/CD pipeline** management for managing the weekly releases.

Python Developer · Qualitest · Bengaluru, Karnataka

April 2016 – July 2017

Responsibilities:

- Contributed to the **RISK management** project for a financial client.
- Designed and developed the backend and frontend of various **web applications** using Flask, Django and HTML, CSS, and JavaScript
- Used Selenium to write a fully functioning test automation process that allowed the simulation of submitting different requests from multiple browsers to the web application.
- Assisted team in the creation of unit test/regression test framework for working/new code
- Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.

Education:

Bachelor's Degree: Bachelors in "Information Technology" from Punjab Technical University, Punjab, India

PG Diploma: PG Diploma in "Computer system technology - Networking" from Centennial College, Ontario, Canada