SAHIL SANGANI

Waterloo, ON
LinkedIn | Portfolio | Github

+1-416-989-5247
sahil.sangani03@gmail.com

PROFILE SUMMARY

Highly organized and strong communicator Software Engineer with over 2.5+ years of experience in software engineering - data domain. Motivated individual looking for a successful career in Software Engineering, where I can help deliver state-of-the-art software solutions.

TECHNICAL SKILLS

- Python
- Golang
- PostgreSQL
- MySQL
- VerticaDB
- Flask
- Docker
- Kubernetes
- Git / Gitlab / Github
- CI / CD / Jenkins Pipelines
- AWS – S3/Lambda/EC2
- REST APIs
- Backend Development
- Microservices
- System Design
- Code Reviews
- Pytest
- Java
- HTML / CSS / JavaScript
- Pandas / NumPy
- Prometheus / Grafana
- Agile / Scrum
- Linux / Windows / Mac OS
- JIRA

RELEVANT WORK EXPERIENCE

Sandvine Inc., Waterloo, Canada   **Jun 2021-Jun 2023**
Software Engineer (R&D)
Python, Golang, VerticaDB, Flask, Docker, Kubernetes, REST APIs, Shell Scripts, Gitlab, Prometheus, Grafana, MLFlow

- Designed and developed micro-services based on 3GPP NWDAF for 5G Automation for Load Analysis and Prediction with TDD
- Worked with product owners to re-architect REST microservice to multiple light-weight services for better resource utilization (~Performance improved by almost **2x** for Prediction Requests and **1.75x** for Analytical Requests)
- Owned database repo and maintained it by code reviews & collaborated with Database team for any additional schema table requirements

Saloneverywhere, Canada   **Jan 2021-Apr 2021**
Data Scientist Intern
Python, AWS – S3/Lambda/EC2/SageMaker, KNN, DBSCAN Clustering

- Developed a web application to label around **25K images** in more than **20 categories** in the cosmetic domain for internal team by utilizing Python-flask framework, AWS Lambda and AWS S3 Buckets
- Collaborated with cosmetic domain experts to build a robust, easy-to-navigate and cost-effective system which can be reused for any dataset labelling in future

EDUCATION

University of Windsor, Windsor, Ontario   **Sept 2019-Dec 2020**
Master of Applied Computing

Gujarat Technological University, Gujarat, India   **May 2015-Jun 2019**
Bachelor of Engineering, Information & Technology Engineering

RELEVANT PROJECTS, CERTIFICATIONS AND PUBLICATIONS

- Cricket Match Winner Prediction (Link)
- Cheque Clearance System (Link)
- Python Data Structures, Coursera
- Data Science Specialization, Coursera
- Publicized a review paper comparing ten various MapReduce scheduling algorithms and Hadoop Architecture (Link)

References available upon request