Sid (Siddhartha) Gupta

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PROFESSIONAL EXPERIENCE

Schlumberger
Sep 2022 - Present

Cloud Software Engineer, Data Science Platform (DSP)

- DSP team is responsible for designing & implementing systems & services leveraging public clouds
- Build, design & implement scalable cloud-based services & applications for PaaS, IaaS or SaaS

NemaLife
Jan 2020 - Aug 2022

Lead Software Engineer

- Managed 8 developers to date with focus on cloud solution(s) that enabled scalability & data stewardship
- Streamlined DevOps & led to successful deployment of end-to-end data labelling platform in the cloud
- Responsible for smooth operation of ETL pipeline(s) for client data, Web-API(s) & data labelling website
- Led Cloud-MLOps project & negotiated with 6 vendors for outsourcing needs (SRS/SOW) without vendor-lock-in

Scientific Applications Developer, Full Stack

- Contributed to Python-based vision software used by industry & government clients for drug screening
- Regularly improved software version(s) via beta-testing, user-survey(s), bugfixes & UI/UX updates
- Achieved 10X drop in data processing time through multi-threading & task-parallelism workflows in Python
- Increased computer-vision performance by algorithmic updates & creation of ML models after data wrangling
- Scripted automated data processing/visualization & wrote database queries to work with MySQL & PostgreSQL
- Volunteered to improve legacy IoT scripts written in C & followed CI/CD, git & data security policies

Texas Tech University
2015 - 2019

Research Programmer, Python

- Advanced PepsiCo's product R&D with Digital Holography that has the potential to impact the elderly population
- Developed multiprocessing scripts for HPC for terabyte-scale image data analysis using Python & Bash

Mathematics & STEM Instructor

- Instructed MS & doctoral level students on Laplace/Fourier transforms & advanced Math topics
- Coached around 200 K-12 cohorts & received rave reviews from managers & participants

Reliance Industries
2012 - 2014

Member Engineering Staff: Conducted product & energy accounting in SAP

Tata Steel
Summer - 2011

Quality Analyst: Performed numerical simulations & Root Cause Analysis

Ipca Laboratories
Summer - 2010

Data Intern: Analyzed data logs in a pharma facility serving the US & African markets

TECH STACK

Algorithms | Databases | Agile Development | Cloud Foundations | DevOps | MLOps

- **Languages**: Python, Ajax, JS, NodeJS, SQL, T-SQL, Bash, C#, Java, Ruby, Git Server
- **Technologies**: MySQL, PostgreSQL, Azure, AWS, Docker, FastAPI, Django, Office, Visio, PowerBI, Lucid Charts

EDUCATION

Cloud Certification(s): Azure Administrator Assoc., Cloud & Data Fundamentals

PhD Digital Holography, Texas Tech | MS Computer Science, UWG | BS Indian Inst. of Tech.

OUTREACH

Volunteered to run and chair session for talks at PyCon-2022 in Salt Lake City, Utah

Volunteer during 2020 as open-source developer for pyinstaller project