

# SAMARTH JAIN

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## EXPERIENCE

### DEEPSCRIBE

Jan. 2024 - Current

#### ML Infra Engineer, New York City

- Streamlined AI deployment on AWS EC2 and Lambda, which led to a ~500% AI cost reduction over 3 months
- Enforced high standards for deployment, testing, and load testing, which made production resilient to infra errors
- Built an ETL tool for LLM monitoring on Kinesis, Redshift and Retool, saving tens of thousands of dollars daily
- Led a project for proper data management of sensitive healthcare data, shoring up our trust and safety standards

Dec. 2022 - Jan. 2024

#### Full-Stack Software Engineer, New York City

- Engineered and maintained core SaaS software, internal tools, back-end and analytics infrastructure
- Contributed to critical front-end (NodeJS/ReactJS) and back-end code (AWS Lambda, Python, Terraform, MongoDB, S3, API Gateway)
- Owned the design and development of a pivotal internal tool that monitored scribing quality and AI performance
- Designed and executed a data analytics project, employing the ETL paradigm with Kinesis, Firehose, Glue and Redshift
- Delivered projects promptly and cross-functionally in the startup environment, always emphasizing quality and scalability

### ORACLE

Mar. 2021 - Dec. 2022

#### Software Engineer IC2, New York City

- Enhanced the development of ADVN, Oracle's Dynamic Volume Management kernel driver using low-level, C and Linux kernel programming skills
- Worked with multiple, interdependent kernel drivers that span 10 million lines of code
- Fixed customer bugs of two Fortune 100 companies
- Promoted to the Individual Contributor 2 position after making an impact in the first year itself
- Resolved bugs related to memory leaks by using tools such as Crash
- Protected metadata on a Linux, Solaris and AIX kernel driver called ASM Cluster File System (ACFS) from corruption by unintentional I/O writes
- Took ownership of a project which improved the productivity of 100+ engineers at Oracle and created its CI/CD Gitlab pipeline

## EDUCATION

### University of Illinois at Urbana-Champaign (UIUC)

Aug. 2016 - Dec. 2020

Bachelor of Science, Computer Engineering

Relevant Coursework: Distributed Systems, Computer Security, Algorithms, x86 Architecture, Data Structures

### École Polytechnique Fédérale de Lausanne (EPFL), Switzerland (Exchange)

Feb. 2019 - June 2019

Relevant Coursework: Database Systems, Computer Vision, Artificial Neural Networks, Virtual Reality

## CERTIFICATIONS

### AWS Certified Cloud Practitioner

Awarded by Amazon Web Services

Skills: Knowledge of Cloud Concepts, AWS services and best-practices, AWS Security

## SKILLS & INTERESTS

### Skills

- Technically sound background in Software Development and computer architecture and security
- Affinity for clear, transparent, and concise communication across multiple teams in the org
- Unix/Linux
- Low-level C/C++ programming
- Scripting languages such as Python / Perl
- AWS

### Interests

- Music: love listening to and playing Rock, Funk, Neo-Soul Guitar.
- Learning new languages: natively proficient in English and Hindi and B1 fluent in French and German
- Traveling: exchange semester in Switzerland, internship in Berlin, Germany