

# SAMARTH JAIN

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Versatile engineer skilled in navigating diverse industries and technologies, excelling in low-latency, scalable solutions and dynamic startup environments.

## EXPERIENCE

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### DEEPCSCRIBE

Dec. 2022 - Current

*Full-Stack and ML Infra Engineer, Remote*

**Tech Environment:** AWS, Python, OpenAI / Anthropic LLMs, Kinesis, ECR, Terraform, Typescript, React, Postgres, Mongo DB, CI/CD

- Contributed to core AI Medical Scribe software in a dynamic startup, **helping practitioners save ~3 hours** daily through rapid prototyping and iteration.
- Streamlined AI deployment, which led to a **~500% AI cost reduction** over 3 months.
- Designed a note auditing / correction tool, thereby streamlining scribing quality, increasing customer satisfaction by **43%**.
- Architected a scalable **data analytics infrastructure**, enabling faster decision-making for the leadership.
- Led initiatives to manage sensitive healthcare data, ensuring compliance with trust and safety standards.

### ORACLE

Mar. 2021 - Dec. 2022

*Software Engineer IC2, New York City*

**Tech Environment:** C, Perl, Linux Kernel Drivers, CI/CD

- Contributed to the development and maintenance of Oracle's Dynamic Volume Management (ADVM) and ASM Cluster File System (ACFS), two highly optimized linux kernel drivers for Oracle DB.
- Developed a feature protecting volume metadata from unauthorized I/O, enhancing customer satisfaction for **97 of the Fortune 100 companies**.
- Took ownership of a project which improved the productivity of **100+ engineers** at Oracle and created its CI/CD Gitlab pipeline.
- **Promoted to IC2** after making significant contributions in process improvement and automation within the first year.

### AMAZON

Aug. 2019 - Dec. 2019

*Software Development Intern, Berlin, Germany*

**Tech Environment:** AWS core services, Apache Spark, Elasticsearch, Java/Kotlin, Spring Boot

- Improved the ranking algorithm at Amazon Gifting, a curated catalog of products designed to inspire gift ideas.
- Led A/B-testing of the experiment which produced **3% increase in sales within 1 week** after the end of the project, in key markets such as UK, Germany and France.
- Aided in the ranking of products by implementing **Thompson Sampling**, an exploration/exploitation probability model, which brought less-popular products up in the rank.

## EDUCATION

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

Aug. 2016 - Dec. 2020

Bachelor of Science, Computer Engineering

Worked as a Bio-classification Research Assistant for Dr. Milenkovic, focusing on developing a neural network for classification tasks.

## CERTIFICATIONS

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### B1 Certification in French

Awarded by McGraw Hill Education

### AWS Certified Cloud Practitioner

Cloud best-practices and AWS services