

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

DEEPSCRIBE

Dec. 2022 - Nov. 2024

Full-Stack and ML Infra Engineer, Remote

Skills: Terraform, CI/CD, DevOps, Github Actions, AWS, Typescript, Postgres, Mongo, Docker, React, Redis, Kinesis

- 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 **~84% AI cost reduction** over 3 months.
- Designed a note auditing / correction tool, thereby streamlining scribing quality, increasing customer satisfaction by **43%.**
- Architected the DevOps for the ML and the Platform teams, enabling a **consistent and 3x** faster release-to-production.
- 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

Skills: C, Perl, Linux Kernel Drivers, CI/CD, Crash / GDB, Command-line tools such as grep, awk etc.

- 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

Skills: AWS core services, Apache Spark, Elasticsearch, Java/Scala, Spring Boot, A/B Testing

- 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

University of Illinois at Urbana-Champaign (UIUC)

Aug. 2016 - Dec. 2020

Bachelor of Science, Computer Engineering

CERTIFICATIONS

B1 Certification in French

Awarded by McGraw Hill Education

AWS Certified Cloud Practitioner

Cloud best-practices and AWS services