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 - Current
Full-Stack and ML Infra Engineer, Remote

<u>Tech Environment</u>: **AWS core services, API Gateway, Kinesis, ECR, Terraform, Typescript, React, Postgres, Mongo DB, CI/CD**
- Engineer and maintain the core SaaS software, an AI Medical Scribe that saves practitioners ~3 hours a day.
- Thrived in a fast-paced startup setting by wearing multiple hats, rapidly prototyping solutions, and iterating based on quick feedback.
- 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

<u>Tech Environment</u>: **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

<u>Tech Environment</u>: **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

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

B1 Certification in French
Awarded by McGraw Hill Education

AWS Certified Cloud Practitioner
Cloud best-practices and AWS services