Saurabh Joshi

(585) 309-3540 | saurabhvjjoshi@gmail.com | linkedin.com/in/saurabhvjjoshi | github.com/sj1815 | saurabh-joshi-portfolio.vercel.app

.

SUMMARY:

Experienced Software Engineer with a strong background in Ad Tech, specializing in high-performance advertising solutions for mobile, desktop, and connected TV (CTV), handling over 3 billion ad requests per day. With five years of diverse experience across the US and Ireland, skilled in both backend development and QA, with expertise in building scalable systems and optimizing performances. Additionally, a solid understanding in data engineering, including data pipeline management, ETL processes, and ensuring data accuracy across systems. Master's degree in Information Sciences and Technologies from Rochester Institute of Technology and a B.E. in Information Technology from Mumbai University.

WORK EXPERIENCE:

- **Kargo Global Inc, New York City, US and Waterford, Ireland.**
  - **Associate Software Engineer**   **February 2024 -**
    - Develop product solutions for Kargo's large-scale distributed advertising auction platform integrated with multiple industry leading publishers and Demand Supply Platforms using complex data-structures.
    - Played a key role in integrating a **critical CTV solution** into the ad-serving platform after the acquisition of VideoByte, enabling multi-bid capabilities for the same impression and expanding the company's presence in **CTV advertising**.
    - Assisted in optimizing **bidding strategies through the in-house Supply Side Platform (SSP)**, contributing to experiments that improved revenue by **up to 5%**.
    - Led multiple projects each quarter, enhancing **ad-serving capabilities** and driving platform improvements.
    - Maintain integrations with various **Publishers and Demand Side Platforms** (DSP) using OpenRTB and Prebid specs, ensuring seamless ad transactions.
    - Help monitoring of daily operations of the **ad-serving platform spanning four data centers**, handling **5 billion requests per day** and generating **71% of the company's total gross revenue**.
    - Resolve **bug fixes and escalations** within tight deadlines, ensuring system stability and maintaining **stakeholder trust**.
    - Technical Skills and tools leveraged include **Golang, Kubernetes, SQL, RESTful APIs, Snowflake, Docker.**

  - **Associate Software Engineer in Test**   **March 2020 - February 2024**
    - **Built automated testing solutions** for the Kraken ad service's header bidding using JavaScript and Cypress, enhancing system reliability and operational efficiency while ensuring **100% feature parity** with a **3rd party vendor's managed solution**.
    - **Ensured the in-house SSP scaled effectively** to handle **100% of incoming ad requests across all regions**, contributing to an **incremental gross revenue of ~$6 million in 2021**, by developing a test plan for successful QA while integrating DSPs like Google DV360 and Amazon.
    - Assisted in QA and contributed to developing test plans for the migration from the 3rd party vendor's managed solution to the in-house Supply Side Platform (SSP) in 2022, resulting in **seven-figure cost savings**.
    - **Led the QA effort between the Kraken and Data teams** to ensure accurate, reliable, and complete data in stage tables, fact tables, and aggregate tables while the ad serving platform was being scaled up, utilizing Snowflake for thorough testing and validation.
    - **Led the QA effort as the sole QA** to validate all data from aggregate tables for Looker reporting, ensuring **accurate and reliable data was available to stakeholders**.
    - Helped the team and volunteered in monitoring traffic **during high-ad-traffic holiday seasons**, while maintaining ad quality directly contributing to **revenue growth**.
    - **Successfully transitioned from QA to Software Engineering** role in 2024**,** taking on more responsibilities and owning project epics**.**
    - Technical Skills and tools leveraged include **JavaScript, Cypress, Kubernetes, SQL, Golang RESTful APIs, Snowflake, Docker, Looker, Postman.**

TECHNICAL SKILLS

Coding Languages: Golang, Python, SQL, Java, JavaScript, React.js, Angular4.
Tools & Systems: GitHub, VS Code, Docker, Snowflake, Looker, Postman, Kubernetes, Papertrail, Postman,
                              Cypress, Grafana, AWS S3 & Kinesis, TablePlus, PagerDuty, Co-pilot.

EDUCATION:

M.S, Information Sciences and Technologies.	Rochester Institute of Technology.	2019
B.E, Information Technology.	Mumbai University, India.	2016.
Diploma, Computer Technology.	Maharashtra State Board, India.	2013.

HOBBIES:

- Experiment with cooking vegetarian food, exploring new recipes and refining culinary techniques.
- Enjoy hiking, especially exploring scenic trails and connecting with nature.
- Follow European soccer and various sports, staying updated on leagues and major events.
- Recently picked up guitar and started learning.