

Saurabh Jaluka

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EXPERIENCE

Netflix, Los Gatos **Senior Software Engineer** **Aug 2024 - Present**

Page Platform Team

- Designing and optimizing Netflix's page platform to enhance availability, resilience, and low-latency performance.
- Collaborating with cross-functional teams to drive platform scalability and improve backend systems

Google, Mountain View **Senior Software Engineer** **Sept 2021 - Aug 2024**

Play Search Team, Technologies used: C++

- Improved Query Understanding for non-EN locales leveraging LLM to increase the search results quality by 5%.
- Elevated Play Store search ranking by analyzing user search behavior, extracting valuable insights, and improving search results quality, leading to a significant increase in engagement by 1% with apps and games.
- Collaborated with cross-functional teams to implement new features for search aimed at improving engagement.

Ad.net Development India Pvt. Ltd. **Tech Lead / Director** **July 2019 - Aug 2021**

- Directed and supervised a team of five engineers, successfully establishing the office in India from the ground up.
- Developed advanced ranking features for the SearchIQ project, which gave flexibility to the users' to tune various ranking signals as per their requirement.

Ad.net, Los Angeles **Senior Software Engineer** **June 2015 - June 2019**

Technologies used: **Java, Elasticsearch, Logstash, Redis, MySQL**

- Contributed to product feature development and the design of search and logging infrastructure for SearchIQ.co.
- As the lead developer of the SearchIQ product, designed the search ranking algorithm, established the analytics pipeline, configured the production environment, and managed its ongoing maintenance.
- Created a module for synchronizing campaign setup with various traffic sources, determining inventory purchases.
- Developed a media feed processing pipeline, converting videos into multiple resolutions and bandwidth formats.
- Implemented a log analysis pipeline using the ELK stack and filebeat for in-depth analysis of opportunity, search traffic, and user interactions with advertisements.

Ad.net, Los Angeles **Intern** **Jan 2015 - May 2015**

Technologies used: **Java, Hadoop, Hive, Bash Script, Elasticsearch**

- Created a movie search engine API that crawled the web for movie data, and incorporated advanced search capabilities including facets, range selection, relevance, weights, and synonyms.
- Enhanced and fine-tuned the ETL pipeline for ad request/click logs, leading to a 20% reduction in execution time.

Co-founded Book Renting Site, India **Co-founder, Software Developer** **Mar 2012 - June 2013**

Technologies used: **PHP, MySQL**

- Developed and launched a book renting website to demonstrate the business model.
- Demonstrated adeptness in resource allocation, time management, and provided ongoing production support.

SAC, Indian Space Research Organization **Software Developer** **Aug 2011 - May 2013**

Technologies used: **Java, C++, XML**

- Improved the lunar image processing module for efficient handling of extensive Chandrayaan-1 satellite imagery, enabling the generation of a 3D representation of the lunar surface.
- Created a Management System module using Java Advanced Imaging API to automate the extraction of pixel data from moon craters by parsing input data from XML files.
- Created a module for the detection of geographic shifts in lunar images and produced comprehensive error reports.

SAC, Indian Space Research Organization **SDE Intern** **Dec 2010 - Apr 2011**

Technologies used: **Java, Action Script 3.0**

- Developed an application that provided the scientific community at ISRO with a map-centered interface for visualizing data from various sensors distributed across different geographic regions near India.

EDUCATION

Machine Learning Specialization, Coursera Certification (Instructor: Andrew Ng)

Oct 2023 - Feb 2024

Courses: Regression and Classification, Unsupervised Learning, Recommenders, Reinforcement Learning, Advanced Learning Algorithms.

M. S Computer Science, University of Southern California - GPA 3.73

Aug 2013 - May 2015

B.E Information Technology, Dharmsinh Desai University, India - GPA 4.0

July 2007 - May 2011

- Received **Gold Medal**, in presence of former President of India, Dr. A.P.J Abdul Kalam