

SHAURYA SRIVASTAVA

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PROFESSIONAL EXPERIENCES

Meta, Menlo Park, CA

Senior Software Engineer

07/2024-Present

- Architected an accelerated release flow for F3 (Meta Ads & Products ML Infra platform), reducing feature onboarding time from 40+ days to 7 days through targeted optimizations across config release pipeline, runtime, and compiler that generates and extracts feature data.
- Drove \$11.36M in infrastructure capacity savings and a 0.85% lift in Weighted Ads Ranked by reducing CPU usage across Ads Services.
- Designed and launched scalable offline inferencing infrastructure that integrated large sequence-based ML models into real-time ad serving, enabling a 0.75% increase in Global Ads Score, improving ad recommendation relevance.
- Built Offline Extraction, a new F3 Serving capability that enables customers to extract features into downstream tables for offline ML ads use cases — unblocking a top customer ask and expanding F3 beyond online serving.
- Optimized CI/CD pipeline for testing, validation, and config generation in the Serving layer, reducing feature rollout time to Ads ML models from 7 days to ~2 days through improved automation and reliability.
- Built and scaled the F3 platform for Meta Ads and Products ML Infra, automating the end-to-end ML data pipeline across sourcing, generation, transformation, and model integration.

Microsoft, Mountain View, CA

Software Engineer 2

09/2023-06/2024

Software Engineer

06/2021-08/2023

- Tackled scalability challenges and improved performance for ADLS Gen2 to run large AI and Big Data workloads.
- Significantly improved system performance by implementing caching for security group membership, leading to an ~50% reduction in request payload size and a 5-fold increase in concurrent request handling for users part of numerous security groups.
- Decoupled Namespace Resolution Caching layer, simplifying the architecture to enable independent scaling and optimization.
- Revamped the entity creation logic to improve efficiency and increase reliance to workload antipattern.
- Redesigned the API that sets properties on entities recursively to enhance its reliability.

Software Engineer Intern

05/2020-08/2020

- Worked on the Change Feed Events feature for the Azure Storage Big Data team.
- Built an end-to-end flow in C++ to produce an ordered set of logs for operations performed on the ADLS Gen2 File System.
- Implemented and deployed custom sorting algorithms, achieving a 30% reduction in sorting time of logs compared to previous techniques.

ServiceNow, Santa Clara, CA

Software Engineer Intern

06/2019-08/2019

- Utilized Agile methods to develop new customer features using JavaScript for the HR Service Delivery cloud application.
- Streamlined the integration of SuccessFactors by migrating the legacy framework to a spoke utilizing Flow Designer and Integration Hub cloud tools with JavaScript.
- Identified defects, solved teething issues, and provided feedback for improved usability of Flow Designer and Integration Hub.

EDUCATION

University of Maryland College Park – B.S. in Computer Science, Minor in Statistics

Monta Vista High School, Cupertino, CA

CERTIFICATIONS

University of California, Berkeley – Professional Certificate in Machine Learning and Artificial Intelligence

PROJECTS

Quicklinks

- Developed an open source, one-stop page for people to have quick access to your socials and important links.
- Made with NextJS, containerized using docker, and analytics managed by Google Analytics.

QuickFiller

- Built a full stack web app and extension using ReactJS and AWS amplify frameworks to help people fill job applications faster.
- Utilized Stripe to handle subscription payments and Airtable to store messages contacting the QuickFiller team.

TECHNICAL SKILLS

Languages: Python, C++, Java, JavaScript, Ruby, Swift, R

Skills: Full Stack, Machine Learning, Cloud, Backend, Frontend, Databases, Mobile, Data Structures, Algorithms, OS, Networking

Frameworks: ReactJS, Flask, React Native, PyTorch, TensorFlow, NodeJS