SrikanthSastry

Software Engineer

contact

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programming

Python
Java
C++
SQL

skills

Distributed Systems
Advanced Algorithms
Software Engineering
Big Data
Privacy
Mentorship
Research
Log Analysis
Analytics

experience

2017–present   **Meta Platforms Inc. (formerly Facebook Inc.)**   Cambridge, MA

TL in Warehouse Data Privacy   (Python, Java, C++, SQL, Distributeds Systems, Big Data, Privacy)
- Technical owner for the data warehouse consent control infrastructure.
- Designed and led the implementation of Ads consent control system that scales to over 0.5M partitions every day.
- Designed and built purge systems for deleted account data to satisfy FTC Consent Decree; it runs on more than 3K datasets.
- Automated reanonymization of multiple petabytes of data in the warehouse.
- Led the tooling for massive data mutation for the Clear History project.

IC for Content Delivery Network   (C++, Python, Distributed Systems, Networking)
- Redesigned CDN load balancer deployment for increased reliability, capacity savings, and independent scalability of constituent components.
- Built ARMA based anomaly detection service for time series monitoring.

2013–2017   **Google Inc.**   New York, NY and Cambridge, MA

IC for Google Flight Search Infrastructure.   (Java, R, SQL, Distributed Systems, Air Travel)
- Increased the server capacity for long-tail queries by 7x.
- Decreased median long-tail query latency by 60ms.
- Increased backend compute utilization peak from 66% to 87%.

IC for Traffic Engineering.   (C++, Distributed Systems, Networking)
- Integrated 5 routers into the software network model in the SDN control path.
- Refactored network model software deleting over 2.5K lines of functional code and 1.1M lines of test code.

2001–2004   **Cisco Systems**   Bangalore, India

IC for Cisco IOS development.   (C++, Tcl, Networking)
- Developed new features for subscriber-edge routers.
- Trained customer support engineers on Cisco's IOS software.

education

2011–2013   **Postdoc.**   CSAIL, MIT
Theory of distributed systems.

2011   **Ph.D.** in Computer Engineering   Texas A&M University
Fault tolerant distributed systems.