

SrikanthSastry

Software Engineering Lead

contact

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programming

Python
C++
Java

skills

Distributed Systems
Advanced Algorithms
Mentorship
People Management
Research
Software Engineering
Log Analysis

experience

- Klaviyo Inc. **Aug, 2019 -- Feb, 2020** Boston, MA
TLM for Analytics and Storage (Python, Java, Analytics, Storage)
• Engineering Lead and Manager for analytics and storage.
• Lead the infrastructure scale out for Black Friday, and completed it in 6 weeks.
- Facebook Inc. **May, 2017 -- Aug, 2019** Cambridge, MA
TL for Warehouse Data Privacy (C++, Python, Data Warehouse)
• Engineering lead for the warehouse account deletion infrastructure.
• Automated reanonymization of multiple petabytes of data in the warehouse.
• Lead 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.
- Google Inc. **Apr, 2013 -- May, 2017** 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 with machine learning.
• Increased backend server farm max utilization from 66% to 87%.
IC for Traffic Engineering. (C++, Distributed Systems, Networking)
• Integrated five new routers into the software network model used in the SDN control path.
• Refactored network model software deleting over 2.5K lines of functional code and 1.1M lines of test code.
- Cisco Systems **Jul, 2001 -- Aug, 2004** 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.