

# SrikanthSastry

Tech Lead Manager

## contact

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## programming

Python  
C++  
Java

## skills

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

## experience

- 2019–present **Klaviyo Inc.** 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.
- 2017–2019 **Facebook Inc.** 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.
- 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 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.
- 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.