

Roshan R Sumbaly

CONTACT	rsumbaly@gmail.com	http://cs.stanford.edu/people/rsumbaly
EXPERIENCE	Facebook (2018 - now) <i>Engineering Manager</i> <ul style="list-style-type: none">• Leading teams focused on people understanding, informational retrieval, infrastructure and data platform in the Computer Vision group of Facebook AI Coursera (2014 - 2018) <i>Director of Engineering</i> <ul style="list-style-type: none">• Started by leading the university product team, building authoring and analytics product• Grew the team to launch our 2nd business line - online degrees (iMBA from UIUC)• Grew the team further to launch our 3rd business line - enterprise (\$XXM in 18 months)• Finally led teams responsible for all of growth (data products for personalization, SEO optimized pages, payments & login conversion funnels) and infrastructure (data, backend, frontend)• Also helped drive introduction of levels & rubric, performance management, compensation strategy, vendor and budget management for all of engineering LinkedIn (2010 - 2014) <i>Engineering Manager</i> <ul style="list-style-type: none">• Started working on open-source infrastructure: K/V store (Voldemort), streaming system (Kafka) and job scheduler (Azkaban)• Moved up the stack to help with data products: People you may know, Address book relevance, Recruiter search• Continued to work at the intersection of data and infrastructure: OLAP system, A/B testing analytics (XLNT), feed ingestion engine (Zeno), forecasting platform, call-graph monitoring• Finally led the news feed (FollowFeed) and social gestures platform team• Also helped with engineering-wide architecture review and maintaining branding micro-sites	
INTERNSHIPS	<ul style="list-style-type: none">• Yahoo - Compression in distributed key/value store (PNUTS)• HP Labs - Distributed data integration middleware for semantic data• IISc - Job queue wait time prediction in batch-scheduled clusters• BARC - Fair scheduling algorithms and monitoring for batch-scheduled clusters	
EDUCATION	<ul style="list-style-type: none">• Stanford University - MS in Computer Science• BITS Pilani - BE (Honors) in Computer Science	
CONFERENCES & TALKS	<ul style="list-style-type: none">• F8 2018 - Scaling Visual Reasoning [Talk]• KDD 2017 - Machine Learning for Education workshop [Organizer]• Strata 2016 - Data applications and infrastructure at Coursera [Talk]• CIKM 2014 - Hotspot Detection in a Service-Oriented Architecture [Paper]• SIGMETRICS 2013 - Root cause detection in a Service-Oriented Architecture [Paper]• SIGMOD 2013 - The Big Data Ecosystem at LinkedIn [Paper]• VLDB 2012 - Avatara: OLAP for Web-scale Analytics Products [Paper]• FAST 2012 - Serving Large-scale Batch Computed Data with Project Voldemort [Paper]• ICDE 2012 - Data Infrastructure at LinkedIn [Paper]• HiPC 2007 - Artificially Intelligent Grid Assistant [Poster]	
AWARDS	<ul style="list-style-type: none">• Stanford University - RPSEA/Schlumberger Fellowship, Narotam Sekhsaria Scholarship• BITS Pilani - Alumni 30-under-30 Award, Dhirubhai Ambani Scholarship, Gold Medal• Microsoft's Imagine Cup 2007 - National Runners-up	