Sandeep Raju Prabhakar

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Education		
Northwestern University - 633 Clark Street, Evanston, IL 60208 Master of Science in Computer Science - GPA: 3.94 / 4.00		16 Dec 2016
PES Institute of Technology - 100 Feet Ring Road, BSK III Stage, Ba Bachelor of Engineering in Computer Science - GPA: 8.50 / 10.00	ngalore - 560085, India	04 May 2014
Technical Skills		
Programming: Proficient: Kotlin, Go, Python, SQL, HTML, CSS Familiar: Scala, Java, JavaScript, Go, C++, BASH, PHP, C		
Design / User Experience: Adobe Photoshop, Balasmiq		
Other Technologies: Proficient: Apache Spark, Kafka, PostgreSQL, Redis, Git, D Familiar: NodeJS, ReactJS, Spring boot, MongoDB, MySQl		ess
Work Experience		
Salesforce.com, Inc Palo Alto, CA SalesforceIQ - Member of Technical Staff □ Developing an event stream processing data platform that □ Generate Insights among large amounts of events using te	powers the product - SalesforceIQ Inbox.	9 Jan 2017 - Current
Built scalable HTTPS REST API using Kotlin & JAX-RS with IArchitect, implement & deploy a scalable rule processing to		
Expedia, Inc Chicago, IL Software Development Engineering Intern Developed hotel booking reconciliation tool in Java Spring Developed the property management portal using ReactJ	g Boot on AWS that monitors ghost bookings in	•
Plivo, Inc. - Bangalore, India Software Engineer		ın 2013 - 14 Aug 2015
 Was part of a three member Product Engineering team res Authored an open source rate limit queuing system called Developed a Call & SMS dispatcher in Python; led the proc 	SHARQ (http://sharq.io/) for the SMS infrastru	cture at Plivo.
Project Experience		
Sulley: An open source framework for building SMS bots - Evans <i>Author</i>	ton, IL	Apr 2016 - Jun 2016
 Developed a framework to help developers build SMS bots Lets the user perform generic tasks over SMS by defining of Future plan is to create access control and admin command 	ommands bound to functions using Python de	-
Keep It Fresh: Predicting Restaurant Inspections - EECS Department Software Developer ☐ Worked towards predicting restaurant health violations use ☐ Evaluated and implemented machine learning techniques	ing data from Yelp and City of Boston health v	
Python Data Workflow Framework for RISKCOG - EECS Departm	•	Jan 2016 - current
Researcher & Software Developer Worked towards evaluating machine learning libraries tha	•	rity project with

Tencent Inc, to model mobile phone usage patterns to classify the mobile phone user as 'owner or imposter.

<u> </u>	Developing a data workflow framework on top of Tensorflow to help run large scale experiments. The results of this research has been submitted to the 'Computer and Communications Security (CC)	S 2016)' ACM conference
SHAR (Author	Q: An open source rate limiting queuing system - Plivo Inc., India, Bangalore	Jul 2014 - Aug 2014
	Architected and implemented a rate limiting queue based on the novel approach conceived by Alan The project, written in Python using Gevent and Flask on Redis is open source and available at http://A few startups including Plivo are using SHARQ in their infrastructure as of today for throttling gener	//sharq.io and Github.
Web b	ased Telephony System on a Private Cloud - PES University, India, Bangalore	Jan 2013 - May 2013
Softwa	re Developer	•
	Created a tool using Python and Asterisk to abstract the process of managing a telephony infrastruct Developed an IVR builder interface and backend server to offload call-flow logic to a system connect Prototyped a new JSON based format to represent a call flow or an IVR similar to today's Twilio's Twi	ed over the network.
	tht-based Personalized Recommendation System for Movies - PES University, India, Bangalore recher & Software Developer	Aug 2012 - Dec 2012
	·	thon networkX package.
0	A prototypical movie explorer software was built in Qt C++ to survey the effectiveness of the algorith Findings of the research received critical reviews and invaluable feedback from WWW2014 reviewers	
Confe	rence and Workshop Presentations	
-	e Spark Bay Area Meetup - Palo Alto, United States <i>cal Speaker</i>	May 2017
	Presented a talk titled "Dependency injection in Apache Spark Applications" based on an internal pr Introduced a novel way to inject dependencies in a distributed Apache Spark applications using Guid	-
	India 2014 - Bangalore, India cal Speaker	Sept 2014
	Selected from a pool of more than hundred talk proposal to present my project at PyCon India 2014.	
	Presented a talk titled "SHARQ - An API queueing system built at Plivo!" based on the project I autho	
	pen Source: Tech Thursdays - PES University, Bangalore, India	Feb 2013
WOLKSI	hop Presenter Conducted a technical hands-on workshop on "Git - the distributed version control system".	
	Handled topics from basics like add, commit to advanced topics like Git workflow, interactive rebase	e, Git bisect, Git revert.
Stude	nt Nokia Developer Workshop - IIIT-B, Bangalore, India	July 2012
	hop Presenter	•
	The hands-on workshop was attended by more than hundred students and professionals from all ov	er India.
Award	ds and Scholarships	
Distine	ction Awards - PES University, Bangalore, India For academic excellence in multiple semesters during undergraduate studies.	Aug 2009 - Jun 2013
MHRD □	Scholarship - Government of India, India For academic excellence by securing high score in the Pre-University examination.	Aug 2009