Sandeep Raju Prabhakar

+1 (224) 509 0292 SandeepPrabhakar2015@u.northwestern.edu Seeking full-time opportunities starting Jan, 2017. Open to relocation across United States. Github://<u>sandeepraju</u> Linkedin://<u>sandeeprajup</u> Twitter://<u>@sandeeprajup</u>

Educat		
Northwestern University - Evanston, IL Master of Science in Computer Science - GPA: 3.93 / 4.00		Expected Dec 2016
	iversity - Bangalore, India or of Engineering in Computer Science - GPA: 8.50 / 10.00	Jun 2013
Techni	cal Skills	
Progra	mming: Proficient: Python, SQL, HTML, CSS Familiar: C, Java, JavaScript, Go, C++, BASH, PHP	
Design	/ User Experience: Adobe Photoshop, Balasmiq	
Other 1	Technologies: Proficient: Django, Flask, Ionic, PostgreSQL, Redis, Git, Emacs, Linux CLI Familiar: NodeJS, ReactJS, Spring boot, MongoDB, MySQL, AWS, Heroku, Bootstrap, AngularJS, WordP	ress
Work E	xperience	
	a, Inc. - Chicago, IL e <i>Development Engineering Intern (Expedia Worldwide Engineering team)</i> Developed hotel booking reconciliation tool in Java Spring Boot on AWS that monitors ghost bookings i Developed the property management portal using ReactJS, jQuery, Java Spring Boot & MongoDB and d	
Co-foun	p, Inc The Garage, Northwestern University, Evanston, IL ider and Lead Software Engineer Co-founded Foodrop, an aggregated food ordering platform run by students as a part of NUvention entiples and built the Python backend infrastructure along with the iOS and Android mobile app that processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week trial run in spring 2016 at Kellogg School of Management, Northwestern Processed 300+ orders in a two-week at the	powers the platform.
	action to Programming (Python) - Northwestern University, EECS Department, Evanston, IL g Assistant Conducted recitation sessions for a class of 52 to review the course content & discuss the assignments. Held office hours to help students, provided feedback on course content to instructor and prepared con	Jan 2016 - Mar 2016 tent for assignments.
-	nc. (YC S12) - Bangalore, India	Jun 2013 - Aug 2015
Product	Engineer Was part of a three member Product Engineering team responsible for architecting, building and scaling Authored an open source rate limit queuing system called SHARQ (http://sharq.io/) in Python for the SM Developed a distributed Call & SMS dispatcher in Python; led the process of porting the SMS routing & based on the second	IS infrastructure at Plivo.
		Jan 2015 - Aug 2015
	e Development Consultant Developed the real-time vehicle tracking system in NodeJS, SocketIO and Redis used by Shippr driver's Designed the backend architecture and the REST APIs using Django REST framework currently used by 0	
	Technologies - Bangalore, India <i>e Engineering Intern</i> Developed the PUSH notification backend for Practo Hello mobile application used by thousands of docor Integrated a cloud telephony provider (KooKoo) to Practo Hello web application to help doctors manage	
_	natters Advisors - Bangalore, India	Nov 2012 - Dec 2012
_	e Engineering Intern Developed SOAP & REST APIs in PHP and a micro server in Python talking to MATLAB for their core stock Plotting the regression analysis of stock market data in realtime using SocketIO and nvd3.js.	

Појсс	A Lapertenec	
Sulley: <i>Author</i>	An open source framework for building SMS bots - Evanston, IL	Apr 2016 - Jun 2016
	Developed a framework to help developers build SMS bots using Twilio or Plivo with a very few lines of Pyth Lets the user perform generic tasks over SMS by defining commands bound to functions using Python decor Future plan is to create access control and admin commands to manage the bot remotely using SMS.	
-	Fresh: Predicting Restaurant Inspections - EECS Department, Northwestern University, Evanston, IL	Apr 2016 - Jun 2016
	re Developer Worked towards predicting restaurant health violations using data from Yelp and City of Boston health viola Evaluated and implemented machine learning techniques like Decision Trees and Neural Networks in Pytho	•
Researc	n Data Workflow Framework for RISKCOG - EECS Department, Northwestern University, Evanston, IL cher & Software Developer	Jan 2016 - current
	Worked towards evaluating machine learning libraries that support online learning to aid a mobile security Tencent Inc, to model mobile phone usage patterns to classify the mobile phone user as 'owner or imposter 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 (CCS 2016)'	
	: An open source rate limiting queuing system - Plivo Inc., India, Bangalore	Jul 2014 - Aug 2014
Author	Architected and implemented a rate limiting queue based on the novel approach conceived by Alan Shreve. The project, written in Python using Gevent and Flask on Redis is open source and available at http://sharq. A few startups including Plivo are using SHARQ in their infrastructure as of today for throttling generic jobs.	
Web based Telephony System on a Private Cloud - PES University, India, Bangalore <i>Software Developer</i>		Jan 2013 - May 2013
	Created a tool using Python and Asterisk to abstract the process of managing a telephony infrastructure on Developed an IVR builder interface and backend server to offload call-flow logic to a system connected over Prototyped a new JSON based format to represent a call flow or an IVR similar to today's Twilio's TwiML or F	the network.
	ht-based Personalized Recommendation System for Movies - PES University, India, Bangalore	Aug 2012 - Dec 2012
Researc	cher & Software Developer Created a weight based recommendation system using graph as the primary data-structure using Python not A prototypical movie explorer software was built in Qt C++ to survey the effectiveness of the algorithm with Findings of the research received critical reviews and invaluable feedback from WWW2014 reviewers.	· -
Confe	rence and Workshop Presentations	
-	India 2014 - Bangalore, India ral 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 authored.	
_	Den Source: Tech Thursdays - PES University, Bangalore, India op Presenter	Feb 2013
		sect, Git revert.
	nt Nokia Developer Workshop - IIIT-B, Bangalore, India	July 2012
Worksn	op Presenter Conducted a day-long workshop on building user interface components using Adobe Photoshop and Corel The hands-on workshop was attended by more than hundred students and professionals from all over India	
Award	s and Scholarships	
Distinc	t ion Awards - PES University, Bangalore, India For academic excellence in multiple semesters during undergraduate studies.	Aug 2009 - Jun 2013
	Scholarshin - Covernment of India India	Λυσ 2000

☐ For academic excellence by securing high score in the Pre-University examination.