

# Siddharth Mitra

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## Experience

### DevOps Lead, Grapevine Inc.

May 2014 to April 2015

Helping build a platform for advertisers to work with YouTube advocates. The platform was originally built on Google Appengine, and Cloud SQL and later moved to Amazon Web Services. Featured on DowJones, BizJournals, VentureBeat among others.

### Founder, Cloudshuffle

January 2010 to September 2014

Cloudshuffle is interactive web development agency that loves to create beautiful web applications. We specialize in building apps in Python.

- Expanded the dev studio from a single dev(me) to a team of 6 devs and growing with clients in over 6 countries.
  - Managed a dozen live projects in parallel at any given week.
  - Helped various startups go from an idea to an actual launch, while handling everything from technical, marketing, to biz dev, and strategic decisions.
- <http://turbotaxcpaselect.intuit.com> - Intuit's online offering to help you connect with a CPA to get your taxes done.
- <http://publish.saxo.com> - publishing platform where anyone can publish e-books, and printed books (print on demand) and online courses.

### Lead Engineer, Intuit

August 2012 – April 2014

Built the new service by Intuit called CPASelect, to connect people with accountants. See <https://turbotaxcpaselect.intuit.com>

- Helped scale it on Amazon Web Services for tax season.
  - Setting up tools and processes for dev, sys-admin/ops, security, scaling, monitoring, analytics.
  - Getting other inhouse devs upto speed on technology, and required skill set.
  - Manage our dev workflow, backlog and sprints.
  - Improvements on conversion, iterating on the design and flow of the app.
- Featured on Techcrunch, BizJournals, ZDNet, PCWorld etc.

### Lead Developer, Etiska Ltd.

July 2012 – September 2012

Built an eco friendly marketplace called Ecomarket, formerly EthicalCommunity. The platform was built on Django/Python, and used Paypal Adaptive APIs. Featured on Techcrunch, Treehugger, TheNextWeb etc.

## Programming Languages

Go  
Python  
JavaScript  
Clojure  
R

## Web Frameworks

Django, Flask  
jQuery, Backbone  
React, Knockout

## Cloud Platforms

AppEngine  
Amazon AWS

## Data Stores

Redis  
PostgreSQL  
MySQL

## Useful Tools

Git, Mercurial  
Apache, nginx  
Solr, ElasticSearch  
Docker, Vagrant  
Ansible, Fabric  
Selenium

## Data Science

scikit-learn  
numpy, scipy  
pandas, nltk

## Project Skills

System Admin  
Database Design  
Project Management  
Web Development  
Data Analysis

## Other Interests

Machine Learning  
Languages

## **Lead Developer, Teaspiller**

December 2009 to August 2012

Developed an online market place for tax experts using Django/jQuery.

- Designed the data model for various parts of the system and scaled the infrastructure using Amazon EC2, S3 and EBS.
- Worked on their payment solution via Braintree.
- Designed and implemented their click-to-call, IVR functionality over Twilio.
- Responsible for various system admin tasks.
- Setting up integration/deployment processes
- Application security testing and setting up related processes/policies.

Featured on Mashable, VentureBeat, Forbes among others.

## **Education**

### **Master of Technology in Computer Science, IIT Delhi**

Focused on social network research, which included characterizing the access patterns and workload of five different online video sharing websites, for eg. YouTube and also identifying invariants across them. This involved large scale data collection/analysis over 6 months, with data sets of over 10 million rows.

GPA 8.06/10

### **Bachelor of Technology in Information Technology at VIT Vellore**

Interned at Honeywell Technology Solutions Labs during the final year where i worked exclusively on Microsoft Office Sharepoint Server (MOSS) 2007. Deployed Knowledge Network over the same, and worked with Windows Workflow Foundation (.Net 3.0). I was assigned an additional project in a team of four, for the development, design, testing of a "Digital Forms 2.0" prototype, an inhouse workow application over the Sharepoint platform.

GPA 8.5/10

## **Research**

Mitra, S et.al. "Characterizing Web-based Video Sharing Workloads." ACM Transactions on the Web(TWEB), Vol. 5 No.2(May 2011)

Mitra, S et.al. "Characterizing Web-based Video Sharing Workloads." Proc. International World Wide Web Conference (WWW '09), Madrid, Spain, Apr. 2009

## **Achievements and Awards**

All India Rank 6, Graduate Aptitude Test in Engineering(GATE)2007

Suresh Chandra Memorial Award, best software project in Comp Sci at IIT Delhi