# Utkarsh Jaiswal

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## EXPERIENCE

**Cisco Systems Inc**                                                                                      **San Jose, CA**
**Full stack developer**                                                                               **Mar 2015 – present**
**Tools used – ReactJS, Redux, NodeJS, Webpack, SASS, HTML5, D3, Java, TitanDB, Gradle**

- Coordinated with user experience teams to drive the development of Pegasus, an analytics application that helps customers derive business insights from network data in real time.
- Developed and tested multiple React components as a part of Pegasus.
- Developed dynamic visualizations using D3 and Highcharts to visualize network flows and data pipelines.
- Built packaging and shipping scripts to automate build deployment with our Jenkins CI/CD systems.
- Developed a backend server that handles natural language search queries and responses to/from Pegasus.
- Previously worked on developing backend bindings to persist network data in a Titan graph database, as well as a Redis-based cache that led to a 15% performance improvement vis-à-vis pure Titan.

**Cisco Systems Inc**                                                                                      **San Jose, CA**
**Software development intern**                                                                     **Jun 2014 – Sep 2014**
**Tools used – HTML5, jQuery, CSS, Java**

- Developed sample applications for the Media Plane Service Set (MPSS) team using their Java API
- Developed a web application to demonstrate the capabilities of the MPSS framework using jQuery and the Jersey framework.
- Coordinated with full time developers to enhance the testing suite for the MPSS CLI.

## PROJECTS                                                                                      https://github.com/sn0v

### Flappr

- Flappr is an event planner that includes interactive comments, automatic event reminders and auto-deletion of expired events.
- Developed account creation, verification and reset processes using Stormpath and NodeJS.
- Implemented automated email processes for customer support using nodemailer.
- Designed and developed the website, in-app icons as well as app-store renders/icons using Sketch.

### OCR-tabber

- OCR-tabber uses optical character recognition to convert images of guitar tablature to editable ASCII tabs.
- Implemented a system to auto-recognize tab tuning and present alternate fingerings for all chords used in the tablature.
- Developed using a Python wrapper around Google's Tesseract OCR engine.

## EDUCATION

**University of California, Los Angeles**                                                          **Los Angeles, CA**
**Masters in Computer Science**                                                                              **Dec 2014**
- Areas of focus – Cloud computing, internet architecture, computer graphics

**National Institute of Technology**                                                          **Tiruchirappalli, India**
**Bachelor of Technology, Computer Science and Engineering**                                             **Jul 2013**
- Courses – Algorithms, Data Structures, Networks, Operating Systems, Computer Architecture, Databases