

# Projjol Banerji +919740423012

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## Experience

### SocialCops

#### Summer Intern

May 2015 - July 2015

Worked on two products, Search and Collect. On search, I built out the frontend for the search engine with Marionette and Backbone. On the Collect team, wrote an analytics sub-app which fetched data from custom end points written in Kinvey

### Fracktal Works

#### Lead Software Developer

August 2014 - April 2015

Responsible for the design and development of the software suite for their 3-D printer which was implemented using wxPython. Also developed a tool to handle G-Code files and further slice the rendered file. (using Python)

### OfferLetter

#### Intern

December 2014 - January 2015

Worked with founder of OfferLetter to improve the front-end of the website (HTML,CSS). Picked up Jekyll on-the-job as the blog operates using Jekyll and helped improve the blog (Rudimentary Ruby + Jekyll). Created a separate portion of the site called 'Offer Drive' to gather information from users. Additionally support for SEO added.

### Keylocation.sg

#### Javascript Developer

September 2014 - October 2014

Freelanced for keylocation.sg for a period of 4 weeks. Worked on portions of the backend responsible for handling errors. Learned how to use the Jade templating engine, Node.js, Express, MongoDB and how to work under an MVC based architecture. Code affected a large number of users daily

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## Open Source Projects

### Mozilla Foundation

#### Contributor

May 2013 - Present

Open source contributor to the Foundation. Patches affected components such as : Thunderbird, Core Firefox, Firefox for Android, Webmaker, Testing, Calendar and Firefox OS. Worked on bugs that improved the security of privileged pages by separating inline styles and scripts (JavaScript and XUL). Worked on Marionette, an automation driver for Mozilla's Gecko (used Python)

### Mirus

#### Contributor

December 2013

Helped the project with its documentation

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## Skills

**Technical Expertise:** Comfortable with JavaScript, Node.js, Python, MongoDB, HTML, CSS. Used Flask, Require.js, Backbone.js, Marionette.js, Kinvey and beginner level knowledge of Meteor. Comfortable with working in the Linux environment and using Git, Mercurial for Version Control. Worked with AWS S3 and EC2. Understand web technologies such as REST and SOAP clearly. Average understanding of C++ and Java having taken college modules that were taught in these languages.

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## Projects

**Syntactic Validator for C** Wrote the rules for a lexical analyzer to create tokens and grammar rules for yacc to validate the syntax of a C program

**Personal debian package for Emacs v24** At the time of the project, the stable version in Ubuntu's Software Centre was v23, so I compiled Emacs from source to create a package for v24

**Trans-it** Created Trans-it during koding.io's virtual global hackathon in December 2014. Website could translate from English-to-Russian and vice-versa. Voice and text translation, both were supported.

**MU Research Portal** Built a simple portal for research students to meet potential mentors using Flask

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## Education

B.Tech from MIT, Manipal, Batch of 2016. Currently in the 7th Semester.

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## Extra Curricular

- Mozilla Student Ambassador
- Head of the Linux User's Group, Manipal
- Technical Head, Google Student's Team