

Projjol Banerji

+91-9740423012
probaner23@gmail.com

github.com/Projjol
mozillians.org/en-US/u/dorsatum/
in.linkedin.com/pub/projjol-banerji/a8/b19/253/

Work Experience

SocialCops

May 2015 – July 2015

Summer Intern

- Worked with the Search team, building the UI for the engine, using BackboneJS and MarionetteJS
- Worked with the Analytics team, building multiple real time data dashboards using BackboneJS and MarionetteJS for the frontend and Kinvey as a backend for all projects

Fracktal Works

August 2014 – April 2015

Lead Software Developer

- Responsible for the design and development of the software suite for their 3-D printer.
- Implemented the aforementioned software suite using wxPython.
- Developed a tool to handle G-Code files and further slice the rendered file. (using Python)

Offer Letter

December 2014 – January 2015

Intern at offerletter.io

- Worked on improving 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)
- Added support for better SEO of the website
- Created a separate portion of the site called 'Offer Drive' to gather information from users

Mozilla Foundation

May 2013 - Present

Contributor

- 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)

Keylocation

September 2014-October 2014

Freelancer

- 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

Mirus

December 2013

Contributor

- Worked on improving the documentation for the project

Projects

1. **Portal for in-campus placement**
 - Part of the team re-designing the placement portal
 - MEAN stack used
 - Worked extensively on developing the front-end, mixing AngularJS and Bootstrap
2. **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
3. **Created a personal debian package for Emacs v24**
 - The stable version in Ubuntu's Software Centre was v23
 - Compiled Emacs from source, and created a debian package of the latest version at that time.
4. **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
 - MEAN stack used for the project

Clubs and Activities

1. **Mozilla Student Ambassador**
 - Responsible for conducting events related to the Mozilla Foundation in MIT
 - Conducted workshops on contributing to Open Source technologies, with a primary focus on the ones developed by Mozilla
2. **Co-ordinator, Linux Users Group Manipal**
 - Conducted a Python and Django workshop
 - Category Head for Turing, LUGM's category in the college's technical fest, Tech-Tatva
3. **Google Students Team**

- Part of the technical team
- Conducted a workshop on creating Chrome extensions and Web Dev using MEAN
- 4. **Indian Society for Technical Education**
 - Part of the technical team
 - Helped organize events during the college's technical fest, Tech-Tatva
 - Helped organize Nettech, a national-level workshop on Networks and Security
- 5. **Literary and Debate Club**
 - Helped organize quizzes, parliamentary debates and J.A.M. sessions

Skills

1. Experienced in Javascript, having worked on large scale web applications. Proficient in using BackboneJS, MarionetteJS and bundling web apps in modules using RequireJs.
2. Intermediate knowledge of ReactJS and MeteorJS and MongoDB.
3. Extensively used Kinvey as a backend in live projects.
4. Worked with NodeJS(HapiJS in particular)
5. Knowledge of C++, Python, HTML, CSS, Java and the Linux Operating System (Ubuntu in particular).
6. Beginner level knowledge of CoffeeScript, web components (Polymer) and Material Design for Polymer.
7. Used Bootstrap, Foundation, Django, AngularJS, Grunt and Express.
8. Extensively used Git and Mercurial for Version Control.