

Mohnish Thallavajhula

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I'm a Software Engineer specializing in Ruby & JavaScript, with a passion to learn new technologies and techniques in Computer Science. I've been actively working with Ruby on Rails and JavaScript frameworks such as BackboneJS and ReactJS. Currently, I'm learning Go and Swift and have a few personal projects lined up.

I strongly believe in Open Source software and love to open source my code. All my projects are hosted on GitHub (all licensed under MIT). (<https://github.com/mohnish/>). I enjoy reading code and learning new techniques. Overall, I love programming and I'm passionate about developing applications that help people in some way or the other.

Technical Skills

Ruby, Ruby on Rails, JavaScript, NodeJS, CoffeeScript, HTML5, CSS3, (learning Go & Swift)

Experience

Software Engineer, ToutApp, Inc (November 2015 - Current)

- Work with the Product management team to design features and improvements to existing features and build them for the ToutApp core application
- Work on the Rapid Response team to fix bugs, customer issues related to the core platform and improve the functionality of ToutApp core application
- Develop new product features
 - on the backend
 - in Ruby, using Ruby on Rails and Cuba frameworks
 - in NodeJS, using CoffeeScript, Express & KoaJS frameworks
 - on the frontend
 - using React, Backbone
- Implement message queueing with RabbitMQ and Redis using Bunny, Resque and Sidekiq
- Write tests with RSpec (on the Backend), Mocha (on the Frontend)
- Automate tests using a Continuous Integration server (Codeship CI)
- Analyze gaps in existing features and propose solutions to fix them
- Participate in and receive software code, product and design reviews to and from peers on the engineering team
- Package code in preparation for release to be reviewed and deployed by engineering leaders
- Accomplish engineering and company goals by executing tasks in a timely and quality manner
- Re-architect the existing platform into smaller, manageable, self contained, efficient microservices
- Implement the CRM (Customer Relationship Management) Sync application (Salesforce Integration) with failovers, manual and auto-retry modules. Setup infrastructure with CI support
- Implement Gmail integration in NodeJS using KoaJS, MongoDB, Kue and RabbitMQ

Technologies used: Ruby, Ruby on Rails, Cuba, NodeJS, KoaJS, MySQL, PostgreSQL, RabbitMQ, Redis, MongoDB, Capybara, Cucumber, CoffeeScript, ReactJS, Twitter Bootstrap, BackboneJS, HTML5, CSS3, Unicorn

Software Engineer, SmartPay Leasing, Inc (Previously BillFloat, Inc. (d/b/a Better Finance, Inc.) (November 2011 - October 2015)

- Collaborated with the Product management team to design and build features for the BillFloat and SmartPay applications
- Worked on building the main Smartpay application which helps users to apply for loans that fund their purchases and allows the users to make monthly payments to finish the loan
- Responsible for building Consumer Home functionality for users which allows them to maintain their profiles, make payments and check their balances
- Built a RESTful API Platform using Ruby on Rails
- Built Frontend client interfaces that consume the RESTful Backend APIs using BackboneJS
- Worked on multiple teams of various sizes and shipped products
- Worked on v1 of the BillFloat application which was built using Ruby on Rails 2.3
- Built the Mobile Web application for v1 of the BillFloat application
- Worked on the Partner Dashboard, a partner onboarding tool, which was built using Ruby on Rails 3.2
- Worked on SmartPay v1 using CoffeeScript, BackboneJS and Twitter Bootstrap on the frontend client and Ruby on Rails 3.2 on the server side
- Worked on SmartPay v2 using Ruby on Rails 3.2, RabbitMQ and Redis using Bunny and Sidekiq
- Built RadioShack API on Ruby on Rails 2.3 and then later migrated to Ruby on Rails 3.2
- Built SmartPay Mobile APIs using Ruby on Rails 3.2 with Doorkeeper for OAuth2
- Worked on SmartPay v3 using Ruby on Rails 3.2
- Wrote tests for all the feature implementations and bug fixes and fully automated the tests using RSpec, Cucumber, Capybara, Mocha and Jasmine on a Continuous Integration server (Travis CI)

Technologies used: Ruby, Ruby on Rails, MySQL, RabbitMQ, Redis, MongoDB, Bunny, Sidekiq, Resque, RSpec, Mocha, Capybara, Cucumber, CoffeeScript, Twitter Bootstrap, BackboneJS, Jasmine, HTML5, CSS3, Unicorn

Graduate Assistant, Western Kentucky University (January 2010 - May 2011)

- Served as the official Web Applications developer/Graphic designer for the Computer Science Department of Western Kentucky University
- Implemented on the Graduate Advising Web Application at <http://cs.wku.edu/gradadvising/>

Web Developer/Graphic Designer, Office of Diversity Programs (September 2009 - January 2010)

- Built and maintained: <http://www.wku.edu/odp/> and <http://www.wku.edu/aims/>
- Also, designed the "Annual Black Graduation Recognition Ceremony" hand book.

Web Developer, Sadguru Chittibabaji Charitable Trust (February 2009 - Current)

- Built and maintaining the website <http://chittibabaji.org/>

Education

M.S. Computer Science, Western Kentucky University (August 2009 - May 2011)

- GPA of 3.73/4.0
- Member of Advanced Computing Machinery (ACM)

B.Tech, CVR College of Engineering (October 2005 - May 2009)

Projects & Interests

I open source all my projects and they can be found at <https://github.com/mohnish/>

Some of my top projects and the projects that I've contributed to:

Money - <https://github.com/mohnish/money>

- Money (beta) - let's you manage your money and visualize where your money goes. Built using Ruby 2.2.2, Rails 4.2.3, Backbone 1.2.1 and Bootstrap 3.3.5
- Live: <http://moneyapp.me/signup>

Facebook PlanOut - <https://github.com/facebook/planout>

- Contributed to the development of the Ruby port for PlanOut. My work can be found here: <https://github.com/facebook/planout/commits?author=mohnish>
- PlanOut is a library and interpreter for designing online experiments.
- Docs: <http://facebook.github.io/planout>

Rearrange tabs - <https://github.com/mohnish/rearrange-tabs>

- Google Chrome Extension to rearrange your tabs using keyboard shortcuts
- Live: <https://chrome.google.com/webstore/detail/rearrange-tabs/ccnnhhnmpoffieppjjkhdakcoejcpbga>

OpenSource - <https://github.com/mohnish/opensource>

- Command line tool that lets you add an open source license to your project by running a simple command
- Live: <https://rubygems.org/gems/opensource>

Hi5 - <https://github.com/mohnish/hi5>

- A simple webpage hi5-ing component powered by Firebase.
- Live (blog post featuring the component): <http://mohni.sh/posts/hi5/>