

Mike Burns

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Selected Projects

GitHub API for Haskell

A library for interacting with GitHub, a Web service for code sharing and version control. Built out of a small script to generate a weekly blog post, this library grew into full support of the read-only GitHub JSON API. It also spurred pull requests against other open source projects and a two hour presentation at the Boston F# User Group. Uploaded to Hackage under the BSD license.

Trajectory API for Haskell

A library and set of command-line tools for interacting with Trajectory, a Web-based project management tool. The tools parse command-line arguments to filter the data from the library, and the library parses the JSON retrieved via secure HTTP. Uploaded to Hackage under the BSD license.

Timing Convenience

A library for Haskell that provides convenience functions that read like English to generate time offsets; the date one week ago, two fortnights from now, etc. Uploaded to Hackage under the BSD license.

Unobtrusive Ruby

A series of libraries and blog posts related to writing Ruby frameworks and libraries in a manner that promotes testability, interoperability, long-term maintenance, and reuse. Among these are liaison, wrapped, wrapped-rails, and implicitly.

Try Lambda

A JavaScript-based lambda calculus reducer, written in parody of Try Haskell and Try Ruby.

Oh! Launch!

An Android homescreen replacement and app launcher. Written simultaneously in Java and Scala for a presentation at Android Open encouraging other developers to switch to Scala. BSD license on Github and on the Android Marketplace.

DatePreference

An Android library for adding a date selector to a preferences screen. Tested using the Android integration testing framework and demonstrated in a tutorial on testing.

Work Experience

Software Developer
Boston, MA

thoughtbot
October 2007 - Present

- Build Ruby on Rails Web apps for startups and Fortune 500 companies.
- Develop Android apps for clients using Java and Scala.
- Create the lesson plan for, teach, and oversee courses on Ruby, Android, and design.
- Lead and contribute to open source projects: shoulda, paperclip, clearance, bourbon, suspenders.
- Contact and manage the relationship with clients.
- Manage the technical details of software projects.

Co-founder and Software Developer
Boston, MA

LandBrokr
October 2005 - October 2007

- Developed an integrated blogging, calendaring, listing, discussion, and messaging Web site.
- Released parts of the system as documented, tested libraries for Ruby.
- Created the first real estate listing application for Facebook.
- Collected and presented data programmatically from other Web sites via SOAP and REST.

Co-founder and Software Developer
Boston, MA

Nuvela LLC
September 2005 - October 2007

- Developed clients' ideas into full companies with a business plan and technical team.
- Maintained multiple Web sites, varying from simple HTML to database-backed applications.
- Managed and recommended Web servers appropriate for the clients' needs.

Technical Writer and Software Developer
Boston, MA

Programming Languages Team
September 2004 - January 2005

- Documented, debugged, and helped develop a research Web server written in Scheme.
- Debugged database connection pool deadlocks.
- Improved the documentation system based on L^AT_EX.
- Wrote test cases and sample applications of continuation-based servlets.

Community Building

Co-founder and Presenter
Boston, MA

Boston Vim
October 2011 - Present

- Advise on marketing and promotion for running a user group.
- Found new speakers and gave talks on the history of text editing and on vimscript.

Co-founder and Organizer
Boston, MA

Boston Android Developer Group
September 2010 - October 2011

- Coordinated programmer-focused meetups around the topic of Android development.
- Presented on many topics including how to test Android apps, integrate WebKit, and switch to Scala.

Co-founder and Teacher
Boston, MA

Compass Computer Camps (now Bootstrap)
Summer 2004, 2005, and 2006

- Created and taught a curriculum to introduce high school students to programming.
- Trained assistant teachers in the curriculum and Socratic teaching method.