Craig M. Buchek

craig@boochtek.com   314-374-5780

Summary

- Software developer with 20 years of IT experience. Experienced Ruby on Rails web developer. Strong GNU/Linux system administration skills. Strong knowledge of web technologies and network protocols.

Highlights

- Helped several teams improve their processes and technical skills.
- Built web sites in Ruby on Rails for several different companies.
- Mentored developers in Agile methodologies and Java programming, in order to bring developer jobs back to the USA.
- Implemented method of automatically configuring cable modems for a large Internet Service Provider, with approximately 20,000 cable modem customers per site.
- Led and managed a small team to develop GNU/Linux training manuals.
- Very active member of local Ruby and GNU/Linux communities.
- Co-host of This Agile Life podcast.

Technical Expertise

- **Programming languages**: Ruby, JavaScript, UNIX shell, Python, Java, PHP, C, C++
- **Web development**: HTML/CSS, JavaScript/AJAX, Ruby on Rails, jQuery, XML/XSLT
- **Development practices**: Agile methodologies (XP, Kanban, Lean, Scrum), test-driven development (TDD), behavior-driven development (BDD), pair programming, continuous integration, source control, configuration management (Ansible), deployment automation
- **Development tools**: Git, RSpec, Capybara, Cucumber, Selenium, Capistrano
- **Operating systems**: GNU/Linux (Debian, Ubuntu, Red Hat), Mac OS X, Windows
- **Network services**: Web servers (Apache, Nginx), Web proxies (HAProxy, Squid), Email (Postfix), file services (Windows, Novell, Samba, NFS), DNS (BIND), LDAP (OpenLDAP)
- **Technical communication**: Written procedures, live presentations, training, development of training materials, technical writing, technical editing

Training and Conferences

- Pragmatic Programmers Advanced Rails Training - 2007
- RubyConf - 2014 (presenter), 2015 (presenter)
- RailsConf - 2007, 2008, 2010, 2014, 2015 (presenter)
- Midwest Ruby Conference - 2011
- Windy City Rails - 2011, 2015
- Madison+ Ruby - 2015 (presenter)
- Strange Loop - 2011, 2012, 2013, 2015
    - Hadoop training - 2012

Professional Experience

Web Developer at BoochTek, LLC (2006.12 - present)

- Provided consulting services to companies implementing and upgrading web sites.
- Provided guidance on technical and process improvements.
- Designed and implemented web applications for several companies.
    - Deployment and management of Cloud Foundry clusters. (Java)
    - Social networking hub, integrated with other social networking sites. (Rails)
    - Patient portal for hospitals. (Node)
    - Management system to track tutoring sessions. (Rails)
    - Conversion of Access application for aggregating feedback forms. (Rails)
    - Online sales quote system. (Rails)
    - Web forms for non-profit companies. (PHP)
- Provided bug fixes and feature updates to existing web applications.
    - Reduced code size and complexity to simplify on-going site maintenance.
- Developed bug tracking and feature request procedures and sites for customers.
- Developed source code revision control and deployment best practices to easily add features to production sites, with ability to back out changes quickly if necessary.

Sr. Software Developer at Liaison International (2013.09 - 2014.11)

- Worked to improve a large complex Ruby on Rails application.
    - Increased test coverage.
    - Reduced technical debt.
    - Re-architected several components.
- Helped transform a team to employ Agile practices to increase performance.
    - Implemented retrospectives, pair programming, TDD, refactoring, continuous integration, code reviews.
    - Mentored them to improve their Ruby skills.

Cloud Engineer at Express Scripts (2012.10 - 2013.09)

- Worked on a team building an internal cloud infrastructure.
    - Automated deployment of Java applications to cloud servers.
- Developed web interface to view information about web applications deployed to the cloud. (Python)
- Helped existing projects modify their practices to deploy their applications to the cloud.
- Acted as liaison to coordinate with other groups to push the company toward the strategic goal of utilizing the cloud infrastructure.

Sr. Software Developer at Asynchrony Solutions (2010.10 - 2012.10)

- Designed, implemented, and deployed large-scale web applications for several companies.
    - Social networking and data gathering site for patients with type 1 diabetes. (Rails)
        - Provisioned load-balanced servers for 200,000 concurrent users.
        - Assisted with system administration and configuration management tasks.
    - Asset management system for a large company (12 million digital assets). (Java)
    - Developed, maintained, and documented APIs for several mobile client applications. (Rails)
- Practiced Agile/Lean methodologies: pair programming, Kanban, acceptance testing, TDD, BDD, refactoring, continuous integration, retrospectives.
- Traveled to and consulted at a large corporation (7000 employees) to teach their developers how to implement Agile practices.
    - Implemented pair programming, Kanban, TDD, refactoring, continuous integration.

- - Mentored them to improve their Java skills.
  - Installed and used Cucumber-JVM, Selenium, Jenkins, JUnit, Eclipse.
- Adopted architectural practices more amenable to large-scale use with Rails.
- Utilized cutting-edge technologies with Ruby on Rails:
  - MongoDB/Mongoid, ElasticSearch/Tire, Devise, HAML, SASS, Spine, CoffeeScript, Capybara, Cucumber, RSpec, Jasmine

Community Involvement

- Co-host of This Agile Life podcast
- Active member of St. Louis Ruby Users Group
- Active member of St. Louis GNU/Linux Users Group
  - Chairman, 2001 - 2014
- Active member of St. Louis UNIX Users Group
  - Board of Directors, 2001 - 2004, 2007 - 2013
  - Secretary, 2004 - 2015
- Mentor for Roy Clay Sr. Tech Impact program
  - Web design for underprivileged youth
- Presentations on various technical topics at various venues
  - Ruby, Ruby on Rails
  - jQuery, JavaScript, AJAX
  - HTML, CSS, XML, HTTP
  - Open Source, licensing

Education

- Rose-Hulman Institute of Technology (Terre Haute, IN). Computer Science major.