Craig Buchek

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Summary

- Agile player/coach, specializing in helping teams improve the way they work - both their processes and their technical practices.
- Software developer with 20 years of IT experience.
- Experienced Ruby on Rails web developer with strong DevOps skills.

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.
- Consistently active member of local developer communities.
- Co-host of This Agile Life podcast.

Professional Experience

Engineering Manager (Acting) / Software Engineer at CenturyLink Cloud (2015 - present)

- Managed a team of 6 implementing WordPress as a cloud service.
  - Improved team performance from 17 to 60 "points".
- Managed a team of 14 deploying management of Cloud Foundry clusters.
- Developed a monitoring system as a cloud service.
- Helped teams improve their Agile practices.

Tech Stack: Ruby, Sensu, Grape microservices, Docker, Ansible, Nginx, Bash, RabbitMQ

Consultant / Software Engineer at Mercy (2014 - 2016)

- Helped to rewrite a patient portal for hospitals.
- Maintained legacy patient portal application through its end-of-life.
- Wrote application to help patients find local doctors by specialty.
- Helped teams improve their Agile practices.

Tech Stack: Ruby on Rails, Node, Angular, Java, Spring Roo, CoffeeScript

Sr. Software Developer at Liaison International (2013 - 2014)

- 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.

Tech Stack: Ruby on Rails, RabbitMQ, RSpec, Capybara, PostgreSQL, HAML, jQuery, Resque

Cloud Engineer at Express Scripts (2012 - 2013)

- 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.
- 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.

Tech Stack: Python, Java, Bash shell, F5 load balancers

Sr. Software Developer at Asynchrony Solutions (2010 - 2012)

- Designed, implemented, and deployed large-scale web applications for several companies.
  - Social networking and data gathering site for patients with type 1 diabetes.
    - 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).
  - Developed, maintained, and documented APIs for several mobile client applications.
- 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.
- Adopted architectural practices more amenable to large-scale use with Rails.

Tech Stack: Ruby on Rails, MongoDB, ElasticSearch, Devise, HAML, SASS, Spine, CoffeeScript, Capybara, Cucumber, RSpec, Jasmine, Java, Cucumber-JVM, Selenium, Jenkins, JUnit

Consultant / Web Developer at BoochTek, LLC (2006 - 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.
  - Social networking hub, integrated with other social networking sites.
  - Management system to track tutoring sessions.
  - Conversion of Access application for aggregating feedback forms.
  - Online sales quote system.
  - Web forms for non-profit companies.
- 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.

Tech Stack: Ruby on Rails, RSpec, PHP

Community Involvement

- This Agile Life podcast - Co-host
- STL Ruby - Active member, Host
- STL Elm - Founder
- STL-PLIBMTTBHGATY - Co-founder
- STLLUG - Member, Chairman (2001-2014)
- SLUUG - Member, Board of Directors (2001-2004, 2007-2013), Secretary (2004-2015)
- Roy Clay Sr. Tech Impact program - Instructor, Mentor

Education and Training

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

- Pragmatic Programmers Advanced Rails - 2007
- Strange Loop
    - Hadoop - 2012
    - Idris - 2015
    - Elixir Phoenix - 2015

Conferences

- RubyConf - 2014 (presenter), 2015 (presenter), 2016 (presenter)
- RailsConf - 2007, 2008, 2010, 2014, 2015 (presenter), 2016
- Agile Alliance Technical Conference - 2017 (presenter)
- Madison+ Ruby - 2015 (presenter)
- Windy City Rails - 2015
- Midwest Ruby Conference - 2011
- Strange Loop - 2011, 2012, 2013, 2015
- RacketCon - 2015, 2016
- Elm-Conf - 2016