



Arthur Ketcham

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OBJECTIVE

Results-oriented web and operations-tools developer seeking mid or senior-level engineering position which will draw from a wide variety of experience with Ruby and Ruby on Rails development, leadership, user experience, advanced Linux administration, and architecture of development-operations tools.

TECHNICAL SKILLS

Web Development: Extensive object-oriented and MVC development experience using Agile methodologies, focus on open source tools such as Ruby on Rails and CakePHP frameworks. Extensive experience with PHP, HTML5, XHTML, CSS, JavaScript, jQuery, MooTools, XML, REST, WordPress and Typo3 CMS. Memcache, MySQL and PostgreSQL databases and schema architecture. API integration with various mail delivery services, Google Analytics, Paypal, Authorize.net, Braintree, Facebook, Twitter, OAuth authentication APIs.

Technology Administration: Advanced Linux system and Apache server administration and security management. IIS system management. Full stack business infrastructure management in VM, VPS, dedicated server, and cloud environments. Authorship of tools to automate administration and deployment of high-availability, multi-node systems and services. Coordination as primary liaison between large developer and operations teams in busy and demanding game-industry environments. ERP/project management tool development and maintenance. Architecture employing design patterns, Agile, and lean methodologies.

Development-Operations Tool Architecture: Development, maintenance, and refactoring of complex dev-ops tools in PHP, Ruby, Bash, Python, and AMX Netlinx. AMX Netlinx framework authorship. Technical documentation. Integrating software across internal teams, as well as integration of internal tools, APIs, and datastores with open source software. Extending proven open source technology to both accommodate mission-critical tasks while providing a custom developed highly-usable frontend for multiple stakeholders.

EMPLOYMENT HISTORY

Greenlighted.com Project – Boulder, Colorado

Co-Founding Software Architect: *January 2011 – Present*

- Architect of two online corporate-consumer engagement platforms using CakePHP and Ruby on Rails.
- Management of technical operations of six-person local team and several outsourced-software firms.
- Coordination of a diverse range of product development needs under a limited-resource and high-risk startup environment.
- Development of complex and security-focused social-media voting system incorporating Facebook and Twitter OAuth APIs.

Kaskadia Software Studios – Boulder, Colorado

Co-founder, Director of US Operations, Software Engineer: *March 2009 – Present*

- Head of US business development and client relations including sales and project management.
- Coordination of strategy, direction, and project management with Canadian co-directors.
- Advanced web development for enterprise clients using LAMP, Ruby, AMX, and frontend technologies.

Realtime Worlds – Boulder, Colorado

CakePHP Web Developer, and Deployment/Release Engineer: *September 2009 – August 2010*

- Web Developer and head of *developer-to-operations* interaction at a 300 person video game company.
- Developer of APB.com and RealtimeWorlds.com, which handled millions of monthly visitors.
- Served as interface between developers, producers, and operations personnel in diverse settings.
- Authored an extensive web-based deployment system facilitating multi-user deployment, administration, logging, and Git integration which served a complex set of business stakeholders.

Electronic Systems Consultants – Aspen, Colorado

Home Automation Systems Programmer, Lead Web Developer: August 2007 – September 2009

- Lead developer in numerous AMX home automation projects.
- Created framework for the AMX Netlinx language, greatly improving feature suite and time-to-market.
- Maintained and refactored in-house suite of ERP and project management applications.
- Authorship and developer tools, authentication system, administration of and migration to Subversion.
- Refactored/Extended a Java web-based home automation system and its deployment process.

Web Services, Walla Walla University – College Place, Washington

Associate Webmaster, Web Developer: June 2004 – July 2007

- Web application development with PHP and Ruby on Rails for wwu.edu and wallawalla.edu.
- Extensive LAMP server administration in development and production environments.
- Developed and maintained numerous campus and department websites.
- Directed Typo3 CMS deployment, maintenance, and template production.

Moscow English Language Center – Moscow, Russia

English as a Foreign Language Teacher: September 2005 – June 2006

- Instructed classroom and off-site English immersion classes for adult and teenage students.
- Guided adult students in professional writing and career advancement workshops.
- Adapted to foreign environments, learning language in immersion setting.

EDUCATION

Bachelor of Science in Computer Science - Walla Walla University: September 2002 – June 2007

- Worked as assistant to university Webmaster as Typo3 CMS specialist.
- Developed campus-wide classified ads application which is widely used by WWU staff and students.
- Worked as graphics lab assistant, assisting teaching of Flash, web design, and desktop publishing.
- Taught English in Moscow, Russia for one year as part of a university partnership program.

University of California Irvine: Summer 2003

- Programs, seminars, and classes in Computer Science and Mathematics Departments

ACHIEVEMENTS AND ACTIVITIES

- Open Source Advocacy: Participation in campus and Meetup based Linux user groups, educating and assisting new users about Linux and Open Source. Providing open source solutions to small businesses, contributions to the Typo3 CMS and CakePHP Framework extensions. See authorship/contributions to open source projects at <http://github.com/excalq>.
- Klassica classified ads platform: Developed a web-based classified ads system, primarily for use within academic or corporate campuses. (<http://klassica.wallawalla.edu>)
- Interests: Mountaineering, travel, environmental activism, business networking, small business, Russian, cooking, philosophy, systems theory and patterns, cosmology, natural science, skiing and snowboarding.

REFERENCES

References available upon request