Brandon Wamboldt

Senior Developer / Team Lead / DevOps Engineer

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Executive Summary

I love programming and technology and have been involved with it in some form or another for most of my life. I have over 15 years of experience in software engineering & operations, and 5+ years of experience as a team lead and mentor. I often work directly with customers to help determine the best solution for whatever problems they are facing. I am very independent and have led many successful projects from start to finish, with no oversight. I pride myself on my ability to tackle any task, small or large.

I enjoy working with companies to introduce best practices and more efficient workflows, whether it's effective ticketing systems, peer review, code quality & standards, better tooling, or just helping people to most effectively use the tools already deployed to their organization.

TECHNICAL SKILLS

I have experience in a wide variety of technologies and systems and can draw on this experience to rapidly understand new technologies. My experience with many different technologies gives me a unique insight when it comes to software architecture and decisions.

Project Management	Jira, Trello, Bugzilla, Agile/Scrum, Waterfall, Sharepoint
Programming Languages	Java, C#, TypeScript, Ruby, JavaScript, PHP, Python, C, C++, Delpi, Bash, SQL
Front-end Web Technologies	React, Redux, jQuery, Backbone, SASS, LESS, CSS, HTML
Back-end Web Technologies	ASP.NET Core, Node.js, Ruby on Rails, Symfony, Zend Framework, WordPress
Systems Administration	Puppet, Ansible, Apache, Nginx, Varnish, AWS, RDS, Elasticache, Graphite, StatsD, CheckMK, ELK, Nagios, VMWare, Datadog
DevOps	Docker, Kubernetes, Jenkins, Vagrant, GitLab, GitLab CI, GitHub (enterprise & hosted), Travis CI, CircleCI
Databases	MySQL, PostgreSQL, MongoDB, Redis
Linux	Ubuntu, CentOS, RedHat Enterprise Linux
Miscellaneous	Adobe Photoshop, Unreal Engine 4, Electron, ElasticSearch

PERSONAL PROJECTS

Enhanced Varnish Dashboard
https://github.com/brandonwamboldt/varnish-dashboard

Real time Varnish dashboard designed to integrate with the Varnish Agent software. Includes support for multiple backends, and many management operations. 650+ stars.

NodeFTPd
https://github.com/brandonwamboldt/nodeftpd

FTP server implemented in Node.js. Features basic UNIX authentication, SSL support, and support for the majority of FTP commands.

UtilPHP
http://brandonwamboldt.github.com/utilphp/

Open source PHP library on GitHub. It has been "starred" by 1000+ users and forked 130+ times. It was the top PHP project on GitHub for several days after it was released.

WordPress Access Control
http://brandonwamboldt.ca/wpac/

Free WordPress plugin with 150,000+ downloads. It's been featured on many websites, including the WP plugin directory itself.

Minecraft Skyblock Game Mode Plugin
https://brandonwamboldt.ca/projects/skyblockplugin/

My latest project is a Minecraft plugin (written in Java), that tries to replicate a popular server. It adds skills, multiple servers, player worlds, custom items, custom enchants, and more!

Sublime Text Nginx Plugin
https://github.com/brandonwamboldt/sublime-nginx

Syntax highlighting, snippets, and auto complete for Nginx configuration files. Now used on GitHub.com (via Linguist) to power Nginx syntax highlighting.

WORK EXPERIENCE

Product Development Team Lead
Maplewave, Full-Time

Sept 2015 – Present

During my tenure as a team lead and senior software engineer at Maplewave, I worked on many different projects, products, technologies, and teams.

I acted as the product owner for the Paperless product (electronic document signing and storage), it was my responsibility to gather requirements from customers (internal and external), anticipate possible requirements for future customers, and look at features offered by competitors to ensure we remained competitive. With these requirements, I identified and worked with key stakeholders to plan releases based on business and product priorities, which included the creation of project charters, project plans, stakeholder lists, risk assessment, and more.

After releases were planned, I was responsible for running the release using the agile software methodology, breaking the project into two-week sprints. My team and I ran sprint reviews, retrospectives, sprint planning, and backlog refinement meetings. I was also an active developer during the release, with my allocation dependent on managerial duties.

As a senior developer, I helped plan technology decisions, for all products, to ensure we could meet future market needs and maintainability goals. I also helped form key technology policies on my team, and other teams, such as code review, code standards, automated testing, CI, and more. My team was the first to roll-out Jira, and I was involved in the Jira steering committee which deployed Jira company wide. I would also help out on other projects as needed, working with many different products and technologies to ensure projects met their milestone dates.

My managerial duties included one-on-ones with my staff, interviewing for new team members, team lead meetings, project management meetings, product portfolio review meetings, and various other tasks. I had 5 direct reports.

Senior Solutions Developer
REDspace Canada, Full-Time

July 2013 – Sept 2015

Employed as a senior web developer/DevOps Engineer, working primarily with PHP, Puppet, Varnish, and Amazon AWS. My responsibilities included:

- Building Puppet manifests, modules, and libraries for automated deployment, configuration, and management of critical infrastructure
- Designing and building infrastructure using AWS (EC2, VPC, RDS, ElastiCache, etc)
- Building server automation tools
- Working with sites hosted on Heroku & AWS, using a variety of technologies such as Varnish, Apache, Nginx, PHP-FPM, MySQL, Puppet, memcache, redis, and more
- Working on & maintaining sites built with PHP using Drupal, WordPress and other systems
- Incorporating Grunt into our workflow and projects
- Working on sites built with ExpressJS and Node.js

Web Developer
Freelance, Full-Time/Part-Time

December 2010 – June 2015

I worked as a freelancer web developer with a partner. I built websites & web applications for clients such as Dalhousie University and the Pharmacy Association of Nova Scotia.

- Redesigned and developed several large scale IT solutions for the Pharmacy Association of Nova Scotia which drastically increased performance and eliminated hundreds of hours of manual work that had to be performed each year
- Worked on new and innovative E-commerce sites
- Built dozens of WordPress based websites
- Worked with Express.js, Ruby On Rails, and Symfony
- Used Git, Puppet, Vagrant, Grunt, Yeoman, and various other tools in my workflow

IT Consultant
Sampling Technologies Inc, Full-Time

January 2013 – May 2013

- Did pair coding to help teach best practices and how to use newer technologies
- Built virtual appliances for developers to use locally which reduced iteration times
- Converted several ExpressionEngine websites to WordPress, reducing maintenance costs
- Worked on fixes for critical/high priority bugs & issues
- Optimized website and web servers to handle increased loads, including switching sites to Nginx and setting up load balancing with Apache, reducing infrastructure costs

Senior Data Analyst
BlackBerry, Full-Time

March 2012 – August 2012

Worked as a senior data analyst for BlackBerry. I was on the Data Analytics team and built tools for the other analysts on my team, as well as other teams in the company.

- Worked on a tool that integrated several problem management tools and enabled more internal communication
- Created a tool for faster ticket lookup which was used by most teams in the office
- Created a custom engagement form to replace a mailing list, resulting in a 400% drop in overtime due to invalid engagements

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Senior Web Developer
Norex.ca, Full-Time

June 2010 - December 2010

I was employed as a web developer building WordPress sites & maintaining legacy websites built in a custom PHP framework. I worked closely with companies & organizations like the Halifax Chamber of Commerce and Propeller Brewery.

- Developed several websites for companies around Halifax, including project specifications, testing, and training.
- Maintained websites done in the years previous to my employment, as well as addressing any bug reports that were submitted

Accomplishments:

- Received praise from multiple clients including the Halifax Chamber of Commerce for my customer service and quality of work
- Performed a security audit which identified several high priority issues in our legacy software
- Increased productivity by improving the time tracking software used by the company, reducing errors, increasing functionality, and making it much faster to log time
- Developed over a dozen custom plugins which drastically increased productivity and reduced the turn-around for developing typical websites

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Web Developer
Freelance, Part-Time

April 2009 - June 2010

I partnered with a design firm in Ontario to provide ongoing freelance web development for all of their projects. We collaborated via Skype, instant messaging and e-mail. Designs were provided as PSD files.

- Worked with dozens of clients to identify the best solution for them
- Developed a multitude of websites and custom content management systems tailored to each user
- Finished numerous time sensitive projects under budget without supervision