

## Bill Garrett

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### Software Development Engineer

*Agile software development & deployment focused on open source*

- **Experienced software engineer** with over ten years writing, testing, deploying, and maintaining testable software and reliable systems.
  - **Release engineer** familiar with compilation, integration, deployment, and infrastructure concerns.
  - **Collaborative communicator** driven to understand and address business, development, and operational concerns.
  - **Known for broad understanding of technology**, and researching or experimenting with new solutions for problems.
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### Technology

- Languages & frameworks: Java (Apache Camel, DropWizard, Spring), Ruby (Ruby on Rails), Javascript (AngularJS, CoffeeScript, jQuery), Bash scripting
  - Protocols: HTTP, JSON, REST, SOAP
  - Test frameworks: JUnit, RSpec, Capybara, Selenium, Jasmine
  - Database: PostgreSQL, MongoDB, Elasticsearch
  - Continuous integration: Ant, Gradle, Maven, Git, Jenkins, Capistrano
  - Infrastructure: AWS (EC2, OpsWorks, RDS, SNS, SQS), Chef, Berkshelf, Vagrant
  - Monitoring & logging: Nagios, Logstash/ELK, AWS CloudMetrics
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### Professional Experience

**Software Development Engineer 3**, 2012 - 2015 -- Marchex, Inc., Seattle

Develop customer-facing and internal tools for a startup domain sales business within Marchex.

- Developed internal sales tools for managing domain inventory.
- Created appraisal system using Elasticsearch supporting fuzzy keyword searches (stemming, synonyms, etc.) and aggregate calculations.
- Created queuing system for reliably replicating data to external partners.
- Developed customer-facing marketplace/e-commerce site for direct domain sales, including securely storing customer PII and sales information.

- Designed & built infrastructure for apps hosted on Chef-managed AWS EC2 instances.
- Contributed to business & finance, testing, and operations tasks for domain system.

**Software Development Engineer 2, 2005 - 2012 -- Microsoft Corporation, Redmond**

Develop solutions for Windows Live Messenger and MSN Mobile teams. Provide support for customers integrating with Messenger solutions.

- Developed XMPP protocol support for third-party Messenger clients.
- Supported XMPP integration customers on Live Connect forums.
- Created and maintained the deployment system for Mobile server components, including BVTs, test automation execution, and test and production environment deploys.
- Managed Mobile source control system, including complex merge conflicts and documenting best practices for developers.
- Developed the Mobile advertising ASP.NET control for MSN Mobile, supporting content from Microsoft adCenter or third party networks to show across MSN mobile portals.
- Developed authorization system for a direct-to-consumer billing system for premium services on mobile clients without a carrier contract.