

PETER H BOLING

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🔗 Portfolio 📦 Gems 🐙 Hub 🛠️ Lab 🏠 Hut 📅 Calendly

Director, leader, mentor, sys admin, FLOSS advocate, barista, and builder for 25 years. Passions are testing, efficiency, best practices, and improving the human condition. Specialize in migrating legacy systems to modern architecture.

Recognized in [July 2022](#) as one of 904 builders of FLOSS tools making Github possible.

World first: Enterprise Rails app on Windows Server 2k3, IIS6 + FastCGI w/ SSO (2006, [ref1](#), [ref2](#)).

Led massive PHP-to-Rails migrations @ [aSmallWorld](#) (2008-9) and [BibleGateway](#) (2009-10).

Favorite 🍳 is Event Storming, DDD, CQRS, Rails, BDD, SvelteKit, CI/CD, GitOps.

Languages: 🇺🇸 English 🇪🇸 Spanish (fluent) 🇧🇷 Portuguese (fluent) 🇮🇩 Indonesian (convo)

Legend: 🐙 = Additional role as primary Jira admin (5x), 🏠 = Received internal promotion (7x)

Leadership & Management Summary

Director of Engineering, [Riviera Partners](#); 20 engineers, 7 direct reports; 2020 - present

Technical Advisor, [Karuna Health](#); architecture, mentoring, planning; 2018 - 2020 (Acquired)

Leadership Fundamentals, [Bolt Threads](#); intensive training; 2017 - 2018

Web Team Lead, [Invoice2go](#); managed 6 devs, & 1 QA Engineer; 2016 - 2017

Automation Team Lead, [Invoice2go](#); managed 1 dev, coordinated horizontally; 2016 - 2017

CTO and Co-founder, [Acquaintable](#); online dating; managed team of 5; 2012 - 2013 (Acquired)

Co-founder, [Word Tree Foundation](#); Big Data analysis of literary provenance; 2013 - present

First Employee & Team Lead, [Bloomberg's](#) wealth mgmt tool; led team of 10; 2010 - 2012

Team Lead, [Sagebit](#); mentored 5 recent graduate programmers; 2008 - 2009

Free (Libre) Open Source Summary

Tidelift Maintainer, [RubyGem](#) & [NPM Project Lead](#), 67+ libraries; widely adopted (Oct'22):

1. [oauth2](#) - OAuth 2 Client; *maintainer* since 2017; 124MM DL
2. [oauth](#) - OAuth 1 Client & Server; *maintainer* since 2021; 83MM DL
3. [version_gem](#) - Gemspec-compatible VERSION enhancer; *author*, 2022; 3.5MM DL
4. [dynamoid](#) - Amazon DynamoDB ORM; *maintainer* since 2016; 2.8MM DL
5. [gem_bench](#) - Gemfile static analysis; *author*, 2013; 2.8MM DL
6. [flag_shih_tzu](#) - Bitfields for ActiveRecord; *maintainer* since 2012; 1.8MM DL
7. [sanitize_email](#) - Email condom for Ruby server; *author*, 2009; 1.5MM DL
8. [omniauth-identity](#) - Trad un/pw adapter for omniauth; *maintainer* since 2020; 1.4MM DL

Director of Engineering 🐙 [Riviera Partners](#) 🏠 Feb 2020 - present, 🏠

🍳 Rails 5.2, Ruby 2.5...2.7, RSpec, PostgreSQL, SQS, S3, ES, Sidekiq, k8, Hasura, SchemaHero, GraphQL, CQRS+ES, Svelte, Jira, Github

- Managed back-end & devops teams. Focused on infrastructure as code & services
- Order of magnitude improvement to response rate w/ automated email drips
- Promoted to Eng Manager, then Dir Eng; Event Storming to map business domain
- Upgraded tools, deps & SSL certificates, patched CVEs, wrote [service_actor-promptable](#)

Tech Advisor, Principal Software Engineer 🐙 [Karuna Health](#) 🏠 Nov 2018 - Apr 2020

🍷 Rails 5.2, Ruby 2.5...2.6, RSpec, PostgreSQL, SQS, Protobuf, S3, ES, Sidekiq, Aptible, Github

- ❖ Built email gateway, notification services, & helped plan architecture of system
- ❖ Advised on technology & hiring at Karuna Health; Acquired by [Commure, Inc](#)

Principal Software Engineer ~ [9thBit LLC](#) ~ Nov 2018 - Nov 2019, 🐉

🍷 Rails 5.2, Ruby 2.4=>2.6, React v16, Redux, RSpec, PostgreSQL, S3, ES, Redis, Memcached, Sidekiq, Jira, Github, Cypress, Contentful

- Initially 6 month contract; extended to 12 months to work on following products:
 - [Gainbridge](#), [Delaware Life](#), [Group1001](#), Relay Rewards (offline)
- Primary developer of all Rails-based apps (Relay Rewards & Group1001)
- Developing front end (Gainbridge, React v16), SME for analytics, & E2E specs in Cypress

Principal Software Engineer ~ [9thBit LLC](#) ~ May 2016 - Nov 2018, 🐉

🍷 Rails 4.2, Ruby 2.0...2.3, RSpec, PostgreSQL, DynamoDB, S3, ES, Mongo, Resque, DO, DataDog, Cloudwatch, NewRelic, Salesforce, Jira, Bitbucket

- ❖ Contract with cloud intelligence company extended many times
- ❖ Time-series collection & analytics of changes to *the internet (writ large)*; DevOps tooling
- ❖ Benchmarked, & automated internet monitoring; Reports for F100 enterprise customers
- ❖ Wrote [debug_logging](#) to non-intrusively assist with complex debugging in production

Principal Software Engineer ~ [Bolt Threads](#) ~ Sep 2017 - May 2018, 🐉

🍷 Rails 4.2...5.2, Ruby 2.3...2.5, RSpec, PostgreSQL, Jira, Ubuntu, OPC DA integrations

- Lab Information Management System (LIMS) maintenance & selection of replacement
- Hired Eng leadership team: VP Eng, Dir Eng, & others
- Integrated OPC DA services; Instrumented a Stoll industrial knitting machine
- Completed "Leadership Fundamentals" intensive training

Principal Software Engineer Team Lead ~ [Invoice2go](#) ~ Jan 2016 - Feb 2017, 🐉 🪜

🍷 Rails 4.2, Ruby 2.3, RSpec, AngularJS 1.4, PostgreSQL, S3, Elasticsearch, Redis, Sidekiq, CircleCI, Jenkins, Github Enterprise, Jira, ZenDesk, NewRelic

- ❖ Managed & led web team in developing a revamped web app
- ❖ Managed automation team (developer tools); git flow & supporting toolchain
- ❖ Designed & implemented feature flags; allowed synch'd multi-client feature releases
- ❖ Promoted to Principal Engineer & assigned leadership role in Jakarta office

Staff Software Engineer ~ [Trumaker & Co](#) ~ Apr 2014 - Mar 2016

🍷 Rails 3.2, Ruby 2.0...2.1, RSpec, React, Ember, Haml, Slim, SASS, PostgreSQL, S3, Sidekiq, TravisCI, Github, Salesforce, NewRelic, Heroku


- Extracted front-end parts to ember-cli & react thin clients; Modernized APIs, & code patterns
- New product launches, ordering, manufacturing, shipping & inventory business logic
- Fully spec'd 12-state Lead CRM tool w/ sales attribution framework (commissions)
 - Integrated Salesforce w/ 2-way real-time sync via my [celluloid-io-pg-listener](#) gem
- Front-end tools, Thor app; wrote [status_tag](#), & [destination_errors](#)

Staff Software Engineer ~ [9thBit LLC](#) ~ Aug 2013 - Nov 2014

🍷 Ruby 1.8...2.1, CGI, FastCGI, Mail gem, RSpec, Oracle 11g, rbenv, bash, daemons, RedHat linux


- ❖ Initial 9 month contact with [Church Pension Group](#) extended to project completion
- ❖ Forensic modernization of service layer; Support varied clients & regression test suite
- ❖ Account locking, token expiry, daemon infrastructure; improved `make` system
- ❖ 10x perf of internal services, 20 req/s increased to > 200 req/s

Chief Technology Officer ~ [Acquaintable](#) ~ Jun 2012 - Oct 2013

 Rails 3.2, JRuby 1.7, Ruby 1.9...2.0, RSpec, RequireJS, BackboneJS, MarionetteJS, Foundation, Slim, SASS, Neo4j, PostgreSQL, S3, Sidekiq, Unicorn, Puma, TravisCI, Github, Librato, NewRelic, Heroku


- Co-founded, implemented socially-curated dating through FoF
- Mobile-first, responsive SPA, touch-enabled; Full matching ux within 10s
- Accepted into Entrepreneurs Roundtable Accelerator Winter 2013 class (ERA - NYC)
- Successful exit via acquisition by Reveal (Microsoft Ventures backed)

Senior Software Engineer Team Lead ~ [Bloomberg LP](#) ~ Aug 2010 - Nov 2012,

 Rails 2.3...3.2, Ruby 1.8...1.9, Grape, RSpec, RequireJS, Foundation, Slim, SASS, SOAP, Unicorn, Puma, TeamCity, Git


- ❖ 1st Employee (Bloomberg Black) - Hired team of 10; Promoted to Rails Team co-Lead
- ❖ Auto-curation & dynamism of VCR recordings for service isolation
- ❖ JS flyout menus, scrollspy, breadcrumbs; 10ms/req faster middleware
- ❖ FE & BE of CMS supporting SSR & AJAX; Platform support – Windows, RedHat & MacOS

Senior Software Engineer Team Lead ~ [9thBit LLC](#) ~ Sep 2008 - Aug 2014,

 Rails 2.0...2.3, Makandra Rails LTS, Ruby 1.8...2.2, RSpec, Haml, CSS, MySQL, Mongrel, Unicorn, TravisCI, Github, Redmine, NewRelic

- Contract with [Timeperks](#) (early B2B2C DoorDash); Promoted to Team Lead
- CX ghosting/masquerade tool, & reporting features (utilizing my [csv_pirate](#) gem)
- Implemented three-way marketplace payments via Amazon FPS; began maintaining [remit](#)

Senior Software Engineer Team Lead ~ [Sagebit, LLC](#) ~ Jun 2007 - Dec 2011,

 Rails 1.2...3.1, Ruby 1.8...1.9, RSpec, Erb, Haml, CSS, jQuery, MySQL, Mongrel, Unicorn, Github, Redmine, Debian, Ubuntu


- ❖ Hired, mentored, trained team of 5 in Ruby, Rails, REST, & stateless programming
 - Promoted to Team Lead; Led buildout of [RadioBookmark](#)'s back-end
- ❖ Development, testing, deployment, & refactoring internal projects (now offline):
 - Sports management, event finder & tickets, spam analysis
- ❖ Contract: Led team of 10 developers converting [aSmallWorld](#) to Rails
 - LB'd rolling 32 server prod env; 2MM uniques/month, & 300K page views/day
 - Data migration; Forum, photo sharing, friend network, page & user tracking
 - Polymorphic CMS; Advertising engine for Estee Lauder & Mercedes-Mclaren

Senior Software Engineer ~ [9thBit LLC](#) ~ Dec 2009 - Jul 2010

 Rails 2.3, Ruby 1.9, RSpec, Memcached, EPub

- Contract (extended) with [BibleGateway](#), [Zondervan](#) (Harper-Collins), a US top 10 website
- Developed Google-inspired search engine, based on my gem [awesome_search](#)
- Tool for importing publications in many formats, w/ incremental Solr indexing
- Text parser publishing HTML w/ footnote decoration; exception handling & reporting

Software Engineer ~ [9thBit LLC](#) ~ Mar 2007 - Jul 2010

 Rails 1.2...2.3, Ruby 1.8...1.9, MySQL, Redis, Redmine, DelayedJob, jQuery, AJAX, CSS, Debian, Ubuntu, Bash

- ❖ Credit union web application
 - Transfer money in & out via third party financial institutions; \$13MM transferred
 - Admin back-end, fraud detection, notifications & CX system, with knowledge base
 - Interest, audits, reconciliation, KYC, account statements, & ledgers; all DevOps
- ❖ Letter writing, printing, & mailing - physical letters to Legislators as a Service

Software Engineer § [9thBit LLC](#) § Aug 2008 - Aug 2010

🍷 Rails 2.1...2.3, Ruby 1.8...1.9, RSpec

- Profit-sharing contract with [Neighborino, LLC](#) (venture development)
- Photo uploading & sharing, form handling, messaging, advertising services, calendaring
- Created a mailer daemon system to send emails without end-user impact

Software Engineer § [Legislative Services Agency](#) § Apr 2006 - Jun 2007

🍷 Rails 1.1...1.2, Ruby 1.8, Oracle 8i, 9i & 10g, jQuery, AJAX, CSS, Redhat Linux, Windows IIS, XML, XSL, Tomcat, Cocoon, C#, Google search appliance

- ❖ [Indiana Register](#) & [Administrative Code](#) site - official documents auto-published
 - XML & XSLT; Designed layout, created CSS; 15+ years on still beautiful and fast!
 - Programmed Google Mini search appliance; batch & shell scripts
- ❖ Indiana General Assembly's internal call center application (House/Senate/LSA)
 - Rails + Cisco IPCC & PBX + constituent issue tracking + daily summary to legislators
 - World's first enterprise Rails app on Windows Server 2k3 & IIS6 (2006, [ref1](#), [ref2](#))

Software Engineer § [PanEther, LLC](#) § Dec 2005 - Mar 2007

🍷 Rails 0.14...1.2, Ruby 1.8, Nginx, Mongrel Cluster, Lighttpd, MySQL, Memcached, Redmine, jQuery, AJAX, CSS, Debian, Ubuntu, Bash

- Built a fantasy football website for a client

Software Engineer § [Optivel, Inc](#) § Dec 2004 - Apr 2006, 🏠

🍷 Rails 0.10...1.1, Ruby 1.8, Mongrel, MySQL, Memcached, Bugzilla, Bash, PHP, Java, Perl, Scheme, Nagios, Debian, apt

- ❖ Promoted to Engineer; built "AirBnB for Airplanes"; Primary FOSS dev of [SimpleTicket](#)
- ❖ Managed Debian apt mirror & internal .debs for config sync, key rotation, & auto-backups

Volunteer Work

- ★ Liberian civil war refugee assistance since 2013. Relocate, buy land, build homes, find employment. NGO [Hope For Tomorrow](#) reg 2015. Dozens stabilized each year.
- ★ Co-founded [WordTree Foundation](#) in 2013. Algorithms enable scientific analysis (e.g. n-gram) of literary provenance. Pre-modern focus to map evolution of ideas. [Free & open source](#).

Honors & Certifications

- ★ 2x Dean's Honor List for Computer Science, Ball State University
- ★ Indiana Core 40 Honors Diploma, Muncie Central High School
- ★ Eagle Scout - Boy Scouts of America
- ★ Barista, Certified & Licensed in Australia by CBD College, Sydney, RTO# 91399
 - SITHFAB005 - Prepare and serve espresso, SITXFSA001 - Hygienic food safety practices

Education

- ➔ ... semesters at Ball State University, Computer Science, Muncie, IN
- ➔ ... semesters at Purdue University, Management Information Systems, Lafayette, IN
- ➔ ... semesters at Ball State University, Computer Science, Muncie, IN
- ➔ .. semesters at Ivy Tech, Computer Information Technology, Anderson, IN
- ➔ semesters at Purdue University, Computer Information Technology, Indianapolis, IN
- (*) Univ part-time, work full-time; flat-top roofer, tech support, programmer ➔ No degrees