

PETER H BOLING

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🔗 Portfolio 📁 Gems 🏠 Hub 🧪 Lab 🏠 Hut 📅 Calendly

Director, leader, mentor, FLOSS advocate, and builder for 25 years. Passions are testing, design patterns, and improving the human condition. Specialize in legacy support & migrations.

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: 🐉 = Jira Admin (5x), 📈 = Internal Promotion (8x), 📅 = Contract Extended (8x)

Leadership & Management Summary

Director of Engineering, [Riviera Partners](#); 20 engineers, 7 direct reports; 2021 - present

Engineering Manager, [Riviera Partners](#); 5 direct reports; 2020 - 2021

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, Partner, [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, psql, SQS, S3, [ES](#), Sidekiq, k8, Hasura, GraphQL, CQRS+ES, Svelte, [GH](#), [Jx](#)

- 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 Engineer ~ [Karuna Health](#) ~ Nov 2018 ~ 1.5y

🍷 Rails 5.2, Ruby 2.5...2.6, RSpec, psq, SQS, Protobuf, S3, [ES](#), Sidekiq, Aptible, [GH](#)

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

Principal Engineer, Founder ~ [9thBit LLC](#) ~ Nov 2018 ~ 1.1y 🐉 📄

🍷 Rails 5.2, Ruby 2.4=>2.6, React v16, Redux, RSpec, psq, S3, [ES](#), Sidekiq, [GH](#), Cypress, Contentful

- Initial 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 Engineer, Founder ~ [9thBit LLC](#) ~ May 2016 ~ 2.5y 🐉 📄 📄

🍷 Rails 4.2, Ruby 2.0...2.3, RSpec, psq, DynamoDB, AWS S3 & [CW](#), [ES](#), Mongo, Resque, [BB](#), [DO](#), [DD](#), [NR](#), [SF](#)

- ❖ Contract with cloud intelligence company extended 2x
- ❖ 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 Engineer ~ [Bolt Threads](#) ~ Sep 2017 ~ 0.8y 🐉

🍷 Rails 4.2...5.2, Ruby 2.3...2.5, RSpec, psq, Ubuntu, OPC DA

- 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 Engineer Team Lead ~ [Invoice2go](#) ~ Jan 2016 ~ 1.1y 🐉 📄

🍷 Rails 4.2, Ruby 2.3, RSpec, AngularJS 1.4, psq, S3, [ES](#), Redis, Sidekiq, CircleCI, Jenkins, [GH Enterprise](#), [ZD](#), [NR](#)

- ❖ 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 Engineer ~ [Trumaker & Co](#) ~ Apr 2014 ~ 2y

🍷 Rails 3.2, Ruby 2.0...2.1, RSpec, React, Ember, Haml, Slim, SASS, psq, S3, Sidekiq, TravisCI, [GH](#), [SF](#), [NR](#), 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 Engineer, Founder ~ [9thBit LLC](#) ~ Aug 2013 ~ 1.3y 📄

🍷 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, Co-founder Jun 2012

 Rails 3.2, JRuby 1.7, Ruby 1.9...2.0, RSpec, RequireJS, Backbone+Marionette, Foundation, SASS, Neo4j, psql, S3, Sidekiq, Unicorn, Puma, TravisCI, [GH](#), Librato, [NR](#), 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 Engineer Team Lead Aug 2010

 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 Engineer Team Lead, Founder Sep 2008

 Rails 2.0...2.3, Rails LTS, Ruby 1.8...2.2, RSpec, Haml, CSS, MySQL, Mongrel, Unicorn, TravisCI, [GH](#), Redmine, [NR](#)

- 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 Engineer Team Lead, Partner Jun 2007

 Rails 1.2...3.1, Ruby 1.8...1.9, RSpec, Haml, CSS, jQuery, MySQL, Mongrel, Unicorn, [GH](#), Redmine, Debian, Ubuntu


- ❖ Hired, mentored, trained team of 5 in Ruby, Rails, REST, & stateless programming
 - Promoted to Team Lead, then Partner; Led buildout of [RadioBookmark](#)'s back-end
- ❖ Development, testing, deployment, & refactoring internal projects (now offline):
 - Sports management, event finder & tickets, spam analysis
- ❖ 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 Engineer, Founder Dec 2009

 Rails 2.3, Ruby 1.9, RSpec, Memcached, EPub

- 6 month contract extended; [BibleGateway](#), [Zondervan](#) (Harper-Collins), 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

Engineer, Founder Mar 2007

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

- ❖ Contracted to write a 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
- ❖ Contracted to write a “physical letters to Legislators as a Service” web app

Engineer, Founder ~ [9thBit LLC](#) ~ Aug 2008 ~ 2.1y 📅

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

- Profit-sharing contract extended 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

Engineer ~ [Legislative Services Agency](#) ~ Apr 2006 ~ 1.3y

📅 Rails 1.1...1.2, Ruby 1.8, Oracle 8i, 9i & 10g, jQuery, CSS, Redhat, IIS, XML, XSL, Tomcat, Cocoon, C#, Google Mini

- ❖ [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](#))

Engineer, Founding Partner ~ [PanEther, LLC](#) ~ Dec 2005 ~ 1.3y

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

- Built a fantasy football website for a client

Engineer, Partner ~ [Optivel, Inc](#) ~ Dec 2004 ~ 1.4y 📅

📅 Rails 0.10...1.1, Ruby 1.8, Mongrel, MySQL, 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
- ★ Licensed Barista SITHFAB005 & SITXFSA001, CBD College, Sydney, Australia, RTO# 91399

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