PETER H BOLING

📍 Detroit, MI (remote-only) ⧙ ⏰TZ-America/* ⧙ 📞(925) 252-5351 ⧙ ✉peter@railsbling.com
🔗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 by automation.

Recognized in July 2022 as one of 904 builders of FLOSS tools making Github possible. Specialize in migrating legacy systems to modern architecture utilizing principles of BDD, and DDD.

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, CQRS, Rails, 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
Executive Director, National Progressive Party; helped launch WAPP; 2020 - 2022
Board Member (ex-officio), National Progressive Party; 2020 - 2022
Deputy Director of Outreach, National Progressive Party; grew social media 10x in 3mo; 2020
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 (10.22.22):
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
9. snaky_hash - A Hashie::Mash joint for #snakelife; *author* 2022; 1.3MM DL
10. seed_migration - Rails gem for Data Migrations; *maintainer* 2022; 1.1MM 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
- ➢ Map business domain with Event Storming (Domain Driven Design)
- ➢ Upgraded tools, dependencies & SSL certificates, patched CVEs
- ➢ Promoted to Eng Manager, then Director of Engineering: head count 20
- ➢ Wrote service_actor-promptable to assist with CLI-based system management

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 tools to better utilize infrastructure & manage costs
- ❖ Advanced math to transform non-scalar data from AWS Alexa into a scalar digest
- ❖ Monitor, log, benchmark, & automate internet monitoring robots
- ❖ Reporting utilized by many 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
- ➢ Maintenance of a legacy Lab Information Management System (LIMS)
  - ○ analysis & selection of off-the-shelf replacement
- ➢ Interviewed candidates for Engineering leadership team:
  - ○ Vice President of Engineering, Director of Engineering, & 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
❖ Participated in design of new service architecture
❖ 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
➢ Structured, authenticated, performant APIs, utilizing versioning, caching
➢ Modernized Ruby, Rails, critical gems, & spec suite w/ factory pattern
➢ Supported launches of new product lines (blazers, ties, belts, pants, sweaters, tees, etc)
➢ Business logic for ordering, manufacturing, shipping & inventory management
➢ 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
➢ Thor deployment automation tool to operationalize critical sub-tasks
➢ Front-end tools, & supporting gems, including 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 analysis of 5 year old FastCGI ruby service layer
❖ Created ruby service APIs to support many varied clients & regression test suite
❖ Account locking, token expiry, daemon infrastructure; improved `make` system
❖ 10x perf of internal services for $11B pension management
  ➢ 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, imagined & implemented socially-curated dating through FoF
➢ Advised on all product & design decisions
➢ Created matching engine with Neo4j + PostgreSQL data analysis algorithms
➢ Mobile first, responsive SPA, with intuitive, touch-enabled mobile interface
➢ Designed to provide an immediate experience within 10 seconds to new users
➢ Accepted into Entrepreneurs Roundtable Accelerator Winter 2013 class (ERA - NYC)
➢ Fully automated & self-correcting, no intervention required for final 4 months
➢ 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
- ❖ Bloomberg Black's 1st Employee - personal wealth mgmt startup within Bloomberg
- ❖ Interviewed & hired team of 10 engineers; Promoted to Rails Team co-Leader
- ❖ Extended VCR - automated curation of SOAP interactions for service isolation
- ❖ Javascript flyout menus, internally tabbed SPA, scrollspy, breadcrumbs
- ❖ 10ms per request faster rack middleware w/ custom logging to Splunk
- ❖ Patterns: JS modules, ruby cells, presenters, rspec matchers, acceptance tests, JS unit tests
- ❖ CMS FE & BE for dynamic content, supporting SSR & AJAX
- ❖ Maintained platform interoperability – Windows, RedHat & MacOS
- ❖ Forked rack-bug; fixed & rewrote as rack-insight gem

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; mentored junior developers, & reviewed code
- ➢ 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):
  - ➢ TeamClip – Youth sports team management with game video management
  - ➢ CartaBuzz – Find things to do near you
  - ➢ MonkeyStub – Get tickets to events fast
  - ➢ YetiMail – Snopes for Chain Letters / Spam / Phishing
- ❖ Contract: Led team of 10 developers converting aSmallWorld to Rails
  - ➢ Configured load balanced 32 server prod env,w/ rolling deployments
  - ➢ Forum, photo sharing, friend network, page & user tracking
  - ➢ Polymorphic CMS; migrated legacy tables to modern data models w/o downtime
  - ➢ Handled 2MM uniques per month, & 300K page views per day
  - ➢ Advertising engine for Estee Lauder & Mercedes-Mclaren campaigns

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

Rails 2.3, Ruby 1.9, RSpec, Memcached, EPub
- ➢ Contract with BibleGateway, Zondervan (Harper-Collins), a US top 10 website
  - ○ Initial contract was 6 months, but extended to completion of project
- ➢ Developed Google-inspired search engine, based on my gem awesome_search
- ➢ Tool for importing publications in many formats, w/ incremental Solr indexing
- ➢ Implemented advanced exception handling & reporting

➢ Developed text parser, raw text to publishing quality HTML decorated with footnotes

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, w/ advanced fraud detection & prevention
  ➢ Interest, audits, reconciliation, KYC, account statements, & ledgers
  ➢ Notifications & CX system, with knowledge base
  ➢ DevOps: Security hardening, server provisioning, backups, etc
❖ Letter writing, printing, & mailing - physical letters to Legislators as a Service
  ➢ Geolocates users to determine correct legislators

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
❖ Built Indiana Register & Administrative Code site - official documents auto-published
  ➢ Designed layout, created CSS which 15 years on is still beautiful, fast, & timeless!
  ➢ Search feature backed by a Google Mini search appliance
  ➢ Started work on Section 508 compliance (accessibility)
❖ Created Indiana General Assembly's internal call center application
  ➢ Cisco IPCC & PBX integration with Rails app runs House, Senate, & LSA call centers
  ➢ World's first enterprise Rails app on Windows Server 2k3 & IIS6 (2006, ref1, ref2)
  ➢ AJAX address based lookup of senate & house districts for constituents
  ➢ Constituent issue tracking; automated daily summary email to legislators

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
❖ Primary developer on first open-source, Rails-based, ticketing system: SimpleTicket
❖ Promoted to Software Engineer; built "AirBnB for Airplanes" in PhP
❖ 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 coffee
   ○ SITXFSA001 - Use hygienic practices for food safety

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