**Peter H Boling** [🔗Portfolio](http://railsbling.com) ⦚ [💎Gems](https://rubygems.org/profiles/pboling) ⦚ [🐙Hub](https://github.com/pboling) ⦚ [🧪Lab](https://gitlab.com/pboling) ⦚ [🛖Hut](https://sr.ht/~galtzo/) ⦚ [📅Calendly](https://calendly.com/peter-boling/30min) ⦚ [💼LinkedIn](https://www.linkedin.com/in/peterboling/)

📍Detroit, MI (remote-only) ⦚ ⌚️TZ-America/\* ⦚ [📞(925) 252-5351](tel:+1-925-252-5351) ⦚ [📧peter@railsbling.com](mailto:peter@railsbling.com)

Executive, director, mentor, advisor, legacy specialist and software engineer for 25 years. Passions are strong testing, design patterns, process innovation, and improving the human condition.

🌎1st: Enterprise Rails app on Windows Server 2k3, IIS6 + FastCGI w/ SSO (2006, [ref1](https://discuss.rubyonrails.org/t/iis-new-fastcgi-support-and-rails/5614/5), [ref2](https://markmail.org/message/tvkxqnpjltu5xvtk#query:+page:1+mid:tvkxqnpjltu5xvtk+state:results)). Over 15 years ago I designed and built the [Indiana Register](http://iac.iga.in.gov/iac/irtoc.htm) & [Administrative Code](http://iac.iga.in.gov/iac/iac_title) website, which continues to daily publish all official legislative documents of the Indiana State General Assembly. Quality matters when longevity matters. Led massive PHP-to-Rails migrations @ [aSmallWorld](https://www.asmallworld.com) (2008-9) and [BibleGateway](https://www.biblegateway.com) (2009-10). Recognized as a builder of critical FLOSS tools that make Github possible (2022, [ref](https://github.blog/2022-06-24-thank-you-to-our-maintainers/)).

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

Legend: 🫰Leader / Manager / Exec ⦚ 🦖Jira Admin ⦚ 🪜Promotion ⦚ 📜Contract Extension ⦚ 💲Acquisition

# Work Experience

## Director of Engineering ⦚ [Riviera Partners](https://rivierapartners.com/) ⦚ Feb 2020 ⦚ present

### 🥞Rails 5.2, Ruby 2.5…2.7, RSpec, psql, SQS, S3, [ES](https://www.elastic.co/elasticsearch/), Sidekiq, k8, Hasura, GraphQL, CQRS+ES, Svelte, [GH](https://github.com), [Jx](https://jenkins-x.io/) ⦚ **🫰🦖🪜🪜🇺🇸🇧🇷**

* Managed back-end, devops, and all contractors. Translated executive strategy to an executable roadmap. 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 certs, patched CVEs, wrote [service\_actor-promptable](https://rubygems.org/gems/service_actor-promptable).

## Tech Advisor, Principal Engineer ⦚ [Karuna Health](https://www.crunchbase.com/organization/karuna) ⦚ Nov 2018 ⦚ 1.5y

### 🥞Rails 5.2, Ruby 2.5…2.6, RSpec, psql, SQS, Protobuf, S3, [ES](https://www.elastic.co/elasticsearch/), Sidekiq, Aptible, [GH](https://github.com) ⦚ **🫰💲🇺🇸🇲🇽🇮🇩**

* Built email gateway, notifications. Advised on tech & hiring; Acquired by [Commure, Inc](https://www.commure.com/).

## Principal Engineer, Founder ⦚ [9thBit LLC](https://9thbit.net) ⦚ Nov 2018 ⦚ 3.6y

### 🥞Rails 4.2…5.2, Ruby 2.0…2.6, React v16, Redux, RSpec, psql, S3, [ES](https://www.elastic.co/elasticsearch/), Sidekiq, [GH](https://github.com), Cypress, Contentful, DynamoDB, S3 & [CW](https://aws.amazon.com/cloudwatch/), [ES](https://www.elastic.co/elasticsearch/), Mongo, Resque, [BB](https://bitbucket.org/), [DO](https://www.digitalocean.com/), [DD](https://www.datadoghq.com/), [NR](https://newrelic.com/), [SF](https://www.salesforce.com/) ⦚ **🦖📜📜📜🇺🇸**

* Contracted (extended, 2x) w/ Intricately; Track changes to *the internet* (writ large). Automated alerting, benchmarking; Reports for F100 enterprise customers. Wrote [debug\_logging](https://github.com/pboling/debug_logging); began maintaining [dynamoid](https://rubygems.org/gems/dynamoid).
* Contract (extended) on [Gainbridge](https://gainbridge.io/), [Delaware Life](https://www.delawarelife.com/), [Group1001](https://www.group1001.com/), Relay Rewards. Sole dev on Relay Rewards & Group1001 (Rails); SME for analytics on Gainbridge (React v16).

## Principal Engineer Team Lead ⦚ [Bolt Threads](https://boltthreads.com/) ⦚ Sep 2017 ⦚ 0.8y

### 🥞Rails 4.2…5.2, Ruby 2.3…2.5, RSpec, psql, Ubuntu, OPC DA ⦚ **🫰🦖🇺🇸**

* Integrated OPC DA; Instrumented Stoll industrial knitting machine. Lab Information Management System (LIMS) maintenance & then replacement. Completed “Leadership Fundamentals” training & interviewed new leadership.

## Principal Engineer Team Lead ⦚ [Invoice2go](https://invoice.2go.com/) ⦚ Jan 2016 ⦚ 1.1y

### 🥞Rails 4.2, Ruby 2.3, RSpec, AngularJS 1.4, psql, S3, [ES](https://www.elastic.co/elasticsearch/), Redis, Sidekiq, CircleCI, Jenkins, [GH Enterprise](https://github.com/enterprise), [ZD](https://www.zendesk.com/), [NR](https://newrelic.com/) ⦚ **🫰🦖🪜🇺🇸🇮🇩**

* Managed & led web team in developing a revamped web app. Managed automation team (dev tools): git flow, feature flags. Promoted to Principal Engineer & assigned leadership role in Jakarta office.

## Staff Engineer (equivalent) ⦚ [Trumaker & Co](http://www.trumaker.com) ⦚ Apr 2014 ⦚ 2y

### 🥞Rails 3.2, Ruby 2.0…2.1, RSpec, React, Ember, Haml, Slim, SASS, psql, S3, Sidekiq, TravisCI, [GH](https://github.com), [SF](https://www.salesforce.com/), [NR](https://newrelic.com/), Heroku ⦚ **🇺🇸**

* Extractions to ember-cli & react; Ordering, manufacturing, shipping & inventory biz logic. Fully spec’d 12-state Lead CRM tool w/ sales attribution. Wrote [celluloid-io-pg-listener](https://rubygems.org/gems/celluloid-io-pg-listener) - real-time, bi-directional, SalesForce integration.

## Staff Engineer, Founder ⦚ [9thBit LLC](https://9thbit.net) ⦚ 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](http://cpg.org) extended to project completion. Forensic modernization; Account locking, token auth, daemons, `make` build system. Achieved 10x perf improvement of internal services, 20 req/s increased to > 200 req/s

## Chief Technology Officer, Co-founder ⦚ [Acquaintable](https://www.crunchbase.com/organization/acquaintable) ⦚ Jun 2012 ⦚ 1.4y

### 🥞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](https://github.com), Librato, [NR](https://newrelic.com/), Heroku ⦚ **🫰💲🇺🇸🇧🇷**

* Co-founded, pitched, fund-raised, and implemented socially-curated dating through FoF. Mobile-first SPA, touch-enabled; Full matching UX within 10s. Seed round ERA-NYC Winter 2013; Acquired by Reveal (MS Ventures).

## Senior Engineer Team Lead ⦚ [Bloomberg LP](https://www.bloomberg.com) ⦚ Aug 2010 ⦚ 2.3y

### 🥞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 Team Lead. Built JS flyout menus, scrollspy, breadcrumbs; Created middleware shaving 10ms/req; CMS w/ SSR & AJAX; Platform support – Win, RedHat & MacOS.

## Senior Engineer Team Lead, Founder ⦚ [9thBit LLC](https://9thbit.net) ⦚ Sep 2008 ⦚ 6.1y

### 🥞Rails 2.0…2.3, Rails LTS, Ruby 1.8…2.2, RSpec, Haml, CSS, MySQL, Mongrel, Unicorn, TravisCI, [GH](https://github.com), [NR](https://newrelic.com/) ⦚ **🫰🪜📜🇺🇸🇧🇷**

* Contract with [Timeperks](https://www.youtube.com/watch?v=b8f6mPkChrs) (early B2B2C DoorDash); Promoted to Team Lead. CX ghosting/masquerade tool, & reporting features (utilizing my [csv\_pirate](https://rubygems.org/gems/csv_pirate) gem). Implemented 3-way marketplace payments; began maintaining [remit](https://rubygems.org/gems/remit)

## Senior Engineer Team Lead, Partner ⦚ [Sagebit, LLC](https://www.crunchbase.com/organization/sagebit) ⦚ Jun 2007 ⦚ 4.6y

### 🥞Rails 1.2…3.1, Ruby 1.8…1.9, RSpec, Haml, CSS, jQuery, MySQL, Mongrel, Unicorn, [GH](https://github.com), Debian, Ubuntu ⦚ **🫰🪜🪜🇺🇸**

* Hired & trained team of 5 in stateless programming. Promoted to Team Lead, then Partner; Led buildout of [RadioBookmark](https://www.radiobookmark.com/)’s back-end. Built internal projects: sports management, event finder & tickets, spam analysis.
* Led team of 10 developers converting [aSmallWorld](http://asmallworld.com/) 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 ⦚ [9thBit LLC](https://9thbit.net) ⦚ Mar 2007 ⦚ 3.6y

### 🥞Rails 1.2…2.3, Ruby 1.8…1.9, MySQL, RSpec, EPub, Solr, Redmine, jQuery, AJAX, CSS, Debian, Ubuntu, Bash ⦚ **🪜📜📜📜🇺🇸**

* Contract (extended) to write apps for a new credit union. Money transfers via third party financial institutions; $13MM transferred. Fraud detection, CX tools, KB, Interest, audits, KYC, statements, & ledgers
* Contracted to write a “physical letters to Legislators as a Service” web app
* Contracted (extended) w/ [Neighborino, LLC](https://www.crunchbase.com/organization/neighborino) to build photos, messaging, ad services, calendaring, and daemons
* Contract (extended) to migrate [BibleGateway](http://biblegateway.com) (Harper-Collins), then a US top 10 website, to Rails

## Engineer ⦚ [Legislative Services Agency](http://iac.iga.in.gov/iac/irtoc.htm) - Indiana General Assembly ⦚ 1997-9, 2006-7 ⦚ 2.3y

### 🥞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](http://iac.iga.in.gov/iac/irtoc.htm) & [Administrative Code](http://iac.iga.in.gov/iac/iac_title) 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 call center app (House/Senate/LSA). Rails + Cisco IPCC & PBX + constituent issues + legislator highlight emails. World’s first enterprise Rails app on Windows Server 2k3, IIS6 + FastCGI w/ SSO ([ref1](https://discuss.rubyonrails.org/t/iis-new-fastcgi-support-and-rails/5614/5), [ref2](https://markmail.org/message/tvkxqnpjltu5xvtk#query:+page:1+mid:tvkxqnpjltu5xvtk+state:results))
* As standout CS student @ BSU, selected in 1st-and-2nd-ever technical intern groups; Built issue tracker app

## Engineer ⦚ [Optivel, Inc](https://rocketreach.co/optivel-inc-profile_b445a0dafa55b3c4) ⦚ 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”. Managed Debian apt mirror & built internal .deb packages.

# Projects - Free (Libre) Open Source

[**Tidelift**](https://tidelift.com/about/lifter#funded-packages) **Maintainer,** [**RubyGem**](https://rubygems.org/profiles/pboling) **&** [**NPM**](https://www.npmjs.com/~pboling) **Project Lead**, 67+ libraries; widely adopted (Oct’22):

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

# Projects - Volunteer Work

* Liberian civil war refugee assistance since 2013. Relocate, buy land, build homes, find employment. Liberian NGO [Hope For Tomorrow](https://www.facebook.com/hope.for.tomorrow.liberia/) registered in 2015. Dozens stabilized each year.
* Co-founded [WordTree Foundation](http://wordtree.org) in 2013. Algorithms for scientific analysis (e.g. n-gram) of literary provenance. Pre-modern focus on evolution of ideas. World’s first “Big Data” study of English literature. [Free & open source](http://github.com/wordtreefoundation).

# Awards, Accolades and 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 (\*)

* Ball State University ⦚ Computer Science ⦚ Muncie, IN ⦚ ···· semesters
* Purdue University ⦚ Management Information Systems ⦚ Lafayette, IN ⦚ ···· semesters
* Ball State University ⦚ Computer Science ⦚ Muncie, IN ⦚ ··· semesters
* Ivy Tech ⦚ Computer Information Technology ⦚ Anderson, IN ⦚ ·· semesters
* Purdue University ⦚ Computer Information Technology ⦚ Indianapolis, IN ⦚ ····· semesters

**(\*)** University part-time, while working full-time as flat-top roofer, tech support, programmer ➔ No degrees