











Peter H Boling

 Portfolio  Gems  Hub  Lab  Hut  17 Calendly  LinkedIn
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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](#), [ref2](#)). Over 15 years ago I designed and built the [Indiana Register](#) & [Administrative Code](#) 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](#) (2008-9) and [BibleGateway](#) (2009-10). Recognized as a builder of critical FLOSS tools that make Github possible (2022, [ref](#)).

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](#) 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, 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](#).

Tech Advisor, Principal Engineer [Karuna Health](#) Nov 2018 1.5y

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

❖ Built email gateway, notifications. Advised on tech & hiring; Acquired by [Commure, Inc.](#)





Principal Engineer, Founder [9thBit LLC](#) Nov 2018 3.6y

 Rails 4.2...5.2, Ruby 2.0...2.6, React v16, Redux, RSpec, psql, S3, [ES](#), Sidekiq, [GH](#), Cypress, Contentful, DynamoDB, S3 & [CW](#), [ES](#), Mongo, Resque, [BB](#), [DO](#), [DD](#), [NR](#), [SF](#)    

➤ Contracted (extended, 2x) w/ Intracately; Track changes to *the internet* (writ large). Automated alerting, benchmarking; Reports for F100 enterprise customers. Wrote [debug_logging](#); began maintaining [dynamoid](#).

➤ Contract (extended) on [Gainbridge](#), [Delaware Life](#), [Group1001](#), Relay Rewards. Sole dev on Relay Rewards & Group1001 (Rails); SME for analytics on Gainbridge (React v16).

Principal Engineer Team Lead [Bolt Threads](#) 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](#) Jan 2016 1.1y

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

❖ 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](#) Apr 2014 2y

 Rails 3.2, Ruby 2.0...2.1, RSpec, React, Ember, HamI, Slim, SASS, psql, S3, Sidekiq, TravisCI, [GH](#), [SF](#), [NR](#), 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](#) - real-time, bi-directional, Salesforce integration.

Staff Engineer, Founder ~ [9thBit LLC](#) ~ **Aug 2013** ~ **1.3y**

🍷 Ruby 1.8...2.1, CGI, FastCGI, Mail gem, RSpec, Oracle 11g, rbeny, bash, daemons, RedHat linux ~ 🇺🇸

❖ Initial 9 month contact with [Church Pension Group](#) 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](#) ~ **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](#), Librato, [NR](#), 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](#) ~ **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](#) ~ **Sep 2008** ~ **6.1y**

🍷 Rails 2.0...2.3, Rails LTS, Ruby 1.8...2.2, RSpec, Haml, CSS, MySQL, Mongrel, Unicorn, TravisCI, [GH](#), [NR](#) ~ 💰 🇺🇸 🇧🇷

➤ Contract with [Timeperks](#) (early B2B2C DoorDash); Promoted to Team Lead. CX ghosting/masquerade tool, & reporting features (utilizing my [csv_pirate](#) gem). Implemented 3-way marketplace payments; began maintaining [remit](#)

Senior Engineer Team Lead, Partner ~ [Sagebit, LLC](#) ~ **Jun 2007** ~ **4.6y**

🍷 Rails 1.2...3.1, Ruby 1.8...1.9, RSpec, Haml, CSS, jQuery, MySQL, Mongrel, Unicorn, [GH](#), Debian, Ubuntu ~ 🇺🇸 🇩🇪 🇧🇷

❖ Hired & trained team of 5 in stateless programming. Promoted to Team Lead, then Partner; Led buildout of [RadioBookmark](#)'s back-end. Built internal projects: 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 ~ [9thBit LLC](#) ~ **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](#) to build photos, messaging, ad services, calendaring, and daemons

❖ Contract (extended) to migrate [BibleGateway](#) (Harper-Collins), then a US top 10 website, to Rails

Engineer ~ [Legislative Services Agency - 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](#) & [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 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](#), [ref2](#))

❖ As standout CS student @ BSU, selected in 1st-and-2nd-ever technical intern groups; Built issue tracker app

Engineer ~ [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". Managed Debian apt mirror & built internal .deb packages.

Projects - Free (Libre) Open Source

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

Projects - Volunteer Work

- ★ Liberian civil war refugee assistance since 2013. Relocate, buy land, build homes, find employment. Liberian NGO [Hope For Tomorrow](#) registered in 2015. Dozens stabilized each year.
- ★ Co-founded [WordTree Foundation](#) 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](#).

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