

# Joel Parker Henderson • Software Developer

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## SKILL HIGHLIGHTS

**Programmer:** Hands-on coder of software using a wide range of languages/stacks/tools.

**Leader:** Principal technologist for digital transformations and strategic product initiatives.

**Entrepreneur:** 5 VC-funded startups, 3 enterprise digital initiatives, and 2 nonprofits.

## STACK HIGHLIGHTS

**Full-stack:** Ruby on Rails, Elixir Phoenix, Rust Rocket, Node Express, Python Django.

**Back-end:** Unix, SQL, AWS, APIs, DevOps, CI/CD, TDD/BDD, IaC, Terraform, Ansible.

**Front-end:** HTML, CSS, JavaScript, iOS, Android, Adobe CC, UI/UX tools, UML.

## KEYWORD HIGHLIGHTS

**UI/UX:** Adobe CC, Photoshop, Illustrator, XD, Figma, Sketch, Miro, Mockups, Wireframes.

**CSS/JS:** Tailwind, Alpine, SASS, Bootstrap, HTMX, Bulma, Semantic UI, BEM, jQuery.

**EPPM:** Agile, Kanban, Lean, Scrum, Kaizen, Jira, Trello, Portfolio Project Management.

**Data:** SQL, Postgres, MySQL, Oracle, SQLite, ETL, JSON, Protobuf, gRPC, CSV, Excel.

## EXPERIENCE HIGHLIGHTS

### SixArm Software Consulting • 2006–Present

- Developed \$1MM+ business tools, 50MM downloads, 100MM MAUs, for CEOs & CTOs.
- Hired and headed software engineering teams from 0 through launch and scale up.
- Hands-on coded LOB web apps, consumer mobile apps, ETL data flows, product spikes.

### Founder at Bold Contacts • 2021–Present

- Create core product mobile app for users with vision/motor/cognitive disabilities.
- Improve accessibility for patients experiencing Alzheimer's, Parkinson's, MS, and ALS.
- Initiate pilot projects with researchers, hospitals, care centers, and content providers.

### CTO at Commissary Club • Y Combinator VC • 2019–2021

- Launched MVP for flagship social network from 0 to 100 MAUs, leading all tech aspects.
- Led and coded the flagship platform, website, mobile app, APIs, hosting, from 0 to MVP.
- Directed 10 employees and consultants, lead developer, lead designer, lead analyst.

### Technology Consultant to CTO at Omniex Holdings • Jump Capital VC • 2018

- Led front-end team of 6, developing fintech blockchain product with React & JavaScript.
- Researched and coded next-gen product with Svelte, TypeScript, Node, from 0 to HiFi.
- Advised CTO & CEO on tech best practices, PPM/ WBS, hiring/recruiting of 3 leads.

### Principal Consultant at ThoughtWorks • 2016–2017

- Grew most-advanced most-profitable team from 0 to 20 FTEs, using iOS and blockchain.
- Coached \$1MM+ engagement clients in Fortune 50 fintech, manufacturing, B2C goods.
- Grew practices in agile, lean, IaC, devops, pops, EPPM, from 0 to 1000+ GitHub stars.

### Lead Software Consultant at Boxbee • 500 Startups VC • 2013-2015

- Led 5 FTE product team from pre-pitch mocks to winning Launch.com Best New Startup.
- Led Rails and JavaScript practices, and coded iOS Swift application from 0 to MVP.
- Coached CEO and PM on MVP roadmap, engineering, architecture, and fundraising.

### IS/IT Programmer at University of California • 2012-2013

- Programmed secure nationwide UC survey system in Ruby, AWS for 500K users.
- Scoped mission-critical enterprise email system for \$1.5M migration to Python Django.
- Teamed with BA staff to improve IT via DVCS, API, cloud services, for 50+ IT staff.

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## PUBLIC PROJECT HIGHLIGHTS FOR TECHNOLOGY LEADERS

### **Startup Business Primer: Strategy, Tactics, Concepts, Inspirations**

- 500+ page ebook to help you create a startup, raise money, and find product-market fit.
- Covers strategic effects, business roles, project planning, and ideas to help you succeed.
- <https://joelparkerhenderson.gumroad.com/l/startup>

### **Architecture Decision Record: tactics to evaluate technology**

- Learn how leaders and experts make smarter choices about the best tools for the job.
- Compare industry-leading decision record templates, their strengths, and their steps..
- <https://github.com/joelparkerhenderson/architecture-decision-record>

### **Queueing theory: an introduction for software development**

- Learn about queues for services, workflows, streams, and distributed programming..
- Understand arrival rates, utilization ratios, error percentages, lead time, and more.
- <https://github.com/joelparkerhenderson/queueing-theory>

## PUBLIC PROJECT HIGHLIGHTS FOR TECHNOLOGISTS

### **Git Alias: command line accelerators for version control**

- Hundreds of git alias configuration options to make git easier, faster, and smarter.
- Run commands for branches, workflows, topics, charts, churn, and optimizations.
- <https://github.com/gitalias/gitalias>

### **Unicode Separated Values: data exchange standard**

- Upgrade data files and streams beyond typical comma/tab separated values (CSV/TSV).
- Handle data that contains commas, semicolons, quotes, tabs, newlines, and more.
- <https://github.com/sixarm/usv>

### **Stable Diffusion: image prompt gallery**

- Generate novel kinds of artwork by using artificial intelligence machine learning.
- Focus is on user-friendly comparisons of artists, mythologies, techniques, and more.
- <https://joelparkerhenderson.gumroad.com/l/stable-diffusion-image-prompt-gallery-book>

## PUBLIC PRODUCT HIGHLIGHTS FOR PROGRAMMERS

### **Unix shell script tactics: a style guide**

- Coach programmers on best practices to improve reliability, portability, and security.
- Provide source code for utility functions, options parsing, error handling, and more.
- <https://github.com/sixarm/unix-shell-script-tactics>

### **Assertables: Rust crate of assertion macros for testing**

- Upgrade your Rust test driven development (TDD) with smarter semantic macros.
- Compare values, sets, bags, file text, process commands, function returns, and more.
- <https://crates.io/crates/assertables>

### **Num Command: number utilities for mathematics**

- Calculate statistics and analytics on the command line entirely with standard POSIX.
- Do math on aggregations, deviations, moments, quartiles, kurtosis, skewness, and more.
- <https://github.com/numcommand/num>

### **Unaccent: Ruby gem for string processing**

- Use Ruby and Unicode to process string accented characters to unaccented equivalents.
- Has 50M+ downloads, plus full compatibility with every Ruby release for 15+ years.
- [https://rubygems.org/gems/sixarm\\_ruby\\_unaccent](https://rubygems.org/gems/sixarm_ruby_unaccent)