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 Axum, 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.
∘ Directed10 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