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

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

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://github.com/l/joelparkerhenderson/stable-diffusion-image-prompt-gallery

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

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

PUBLIC PRODUCT HIGHLIGHTS FOR PROGRAMMERS

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

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GUIDE BOOK PUBLICATIONS FOR TECHNOLOGY LEADERS & PRACTITIONERS

Startup Business Guide
◦ Covers startup concepts that help with entrepreneurship.
◦ Examples are pitch decks, market/customer/product discovery, product-market fit (PMF), minimum viable product (MVP), technology sectors, company roles and responsibilities, sales and marketing, venture capital (VC) investment, legal entities, and work contracts.
- https://gumroad.com/l/startup-business-guide

Innovation Partnership Guide
◦ Covers innovation creation collaborations.
◦ Examples are joint venture approaches, culture of innovation, strategic alignment, long waves, Partnership Readiness Level (PRL), Partner Relationship Management (PRM), technology transfer agreements, spinoffs and spinouts, AI, and business analysis tools.
◦ https://gumroad.com/l/innovation-partnership-guide

Business Lingo Guide
◦ Covers popular terminology that shows up in US-oriented workplaces and projects.
◦ Examples are aphorisms "Conway's Law" and "The Pareto Principle", idioms "Get on the front foot" and "Unknown unknowns", and quotations "Execution eats strategy for lunch" and "Make mistakes faster". This guide accelerates team cross-cultural communication.
◦ https://gumroad.com/l/business-lingo-guide

Project Management Guide
◦ Covers concepts that help with leading projects, programs, and portfolios.
◦ Examples are Project Management Life Cycle (PMLC), Objectives and Key Results (OKRs), Key Performance Indicators (KPIs), SMART criteria, Work Breakdown Structure (WBS), change management, digital transformation, agile, lean, Kanban, and kaizen.
◦ https://gumroad.com/l/project-management-guide

UI/UX Design Guide
◦ Covers user interface (UI) design and user experience (UX) development.
◦ Examples are User-Centered Design (UCD), Information Architecture (IA), design management, task analysis, ideation, mockups, use cases, user stories, model diagrams, affordances, accessibility, internationalization/localization, UI/UX testing, and AI for UI/UX.
◦ https://gumroad.com/l/ui-ux-design-guide

AI Starter Guide
◦ Covers artificial intelligence topics and machine learning approaches.
◦ Examples are AI tools for processes, AI benefits for industry sectors, AI ethics, neural networks, supervised/ unsupervised learning, ensembles, clustering, anomaly detection, dimensionality reduction, loss functions, kernel tricks, and AI/ML performance metrics.
◦ https://gumroad.com/l/ai-starter-guide

Software Programming Guide
◦ Covers industry practices for software programming, development, and deployment.
◦ Examples are programming paradigms, algorithms and data structures, design patterns, database implementations, distributed ledgers, asynchronicity, concurrency, parallelism, monolith and microservice architectures, testing, version control, devops, and security.
◦ https://gumroad.com/l/software-programming-guide