Joel Parker Henderson, Software Developer

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https://linkedin.com/in/joelparkerhenderson
https://github.com/joelparkerhenderson

SKILL HIGHLIGHTS

Technical leader of 5 venture-funded startup teams and 3 enterprise product teams.
Hands-on-coder with a wide range of languages, stacks, tools, processes, and systems..
Consultant to startup CEOs/CTOs/VPEs/VCs on technology development practices.
Creator of free open source software, libraries, scripts, guides, and demos.

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, Tailwind, Bulma, Bootstrap, Kendo, D3, Adobe Creative Cloud.
Mobile: iOS/Swift, Android/Java. React, Vue, Svelte, WASM, JavaScript, TypeScript.

EXPERIENCE HIGHLIGHTS

CTO at Commissary Club ◦ Y Combinator VC ◦ 2019–2021
◦ Led the technology, including coding the flagship social network from 0 to 100 MAUs.
◦ Oversaw the buildout of the platform, website, mobile app, APIs, hosting, from 0 to MVP.
◦ Directed10 employees and consultants, lead developer, lead designer, lead analyst.

CTO Engineering Consultant 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 ◦ 2014-2015
◦ 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.

Technology Consultant at University of California ◦ 2012-2014
◦ 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.

Lead Software Consultant & Employee #1 at Handle ◦ Menlo Ventures VC ◦ 2011
◦ Programmed productivity web app through successful raise $50K angel then $1MM A.
◦ Hired and led engineering team from 0 to 8, coding with Ruby On Rails, LAMP stack.
◦ Recruited tech vendors, coding consultants, UI/UX designers, and permanent CTO.

Software Developer Consultant at Lightbox ◦ 2006-2021
◦ Led $1MM+ business process automation for digital display network of 100MM MAUs.
◦ Hired and led engineering team from 0 to 8, coding with Ruby On Rails, LAMP stack.
◦ Coded Rails extranet portal, iOS/Android mobile consumer apps, Python custom CDN.

Full work experience is online at https://linkedin.com/in/joelparkerhenderson

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PROJECT HIGHLIGHTS

Founder ◦ GitAlias ◦ 2017-Present
◦ Curated 100s of version control commands to help developer experience (DX).
◦ Wrote code and documentation for shortcuts, logs, workflows, optimizations.
◦ Programmed custom analytics using sh to chart repository commits by author.

Founder ◦ Num Command ◦ 2015-Present
◦ Created free open source numeric software as a command line interface.
◦ Programmed functional algorithms for statistics, filtering, aggregation.
◦ Launched successful Kickstarter crowdfunding campaign to raise money.

COMMUNITY HIGHLIGHTS

Author of Rust axum technology ebook ◦ 2022-onward
◦ Currently writing a programmer's introduction to the Rust axum web framework.
◦ Shows how to leverage tower for client-server, hyper for HTTP, and tokio for async.
◦ Sections include RESTful APIs, JSON, forms, extractors, content types, and more.

Donor to progress ◦ 2015-onward
◦ Nonprofit donor to the ACLU, EFF, FSF, Apache Foundation, Linux Foundation, etc.
◦ Crowdsource donor to hundreds of projects in technology, education, and the arts.
◦ Training donor to student research projects e.g. git bot for automating code changes.

Community Civic Volunteer ◦ Hack for LA ◦ 2019-2020
◦ Coached the Executive Director on technology practices and ways of working.
◦ Coded nonprofit applications to help match civic resources with people in need.
◦ Founded Community of Practice for IT Operations with TDD, CI/CD, DevOps.

REPOSITORY GUIDE HIGHLIGHTS

Project futurespective guides
◦ Strategic Balanced Scorecard (SBS) and Business Model Canvas (BMC)
◦ Objectives & Key Results (OKR) and Key Performance Indicators (KPI)
◦ Value Stream Mapping (VSM) and Goals Ideas Steps Tasks (GIST)

Group manager guides
◦ Ways of Working: how to be more explicit about creating your company culture.
◦ TEAM FOCUS Framework: how to rapidly align your people, practices, and goals.
◦ Crucial Conversations: how to talk about hard topics including team feedback.

Leadership guides
◦ Vision/Mission Statements for Leadership, Thought Leadership Writing
◦ Powerful Questions for Innovation, Oblique Strategies for Creative Thinking
◦ OODA: Observe Orient Decide Act, Intent Plan: Who, What, When, Where, Why

Technology teamwork guides
◦ Architecture Decision Record: how teams can choose the best tools for the work.
◦ Git Commit Message: how to write with specific terms, templates, links, and more.
◦ Queuing Theory: how to analyze API throughput, CSR timing, kanban WIP, and more.

All repositories are online at https:/github.com/joelparkerhenderson