Matt Royer

Senior Software Engineer

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Summary

Senior Software Engineer with over a decade of experience across Ruby, Python, and JavaScript. Proven track record in the steady maintenance and modernization of applications, including migrating legacy patterns to modern architectures. A proactive builder of internal automation tools and shell scripts designed to eliminate repetitive manual workflows for engineering teams. Early adopter of AI-augmented engineering; experienced in integrating LLMs (Ollama, OpenAI, Gemini APIs) into personal workflows and using GitHub Copilot to accelerate migrations and test coverage while maintaining strict code quality.

Experience

Tribute Technology   **2023-04-10 - Present**
Senior Software Engineer   Remote

- Led the migration of multiple core API endpoints from a legacy v1 pattern to a modern v2 architecture, including new controllers, routes, serializers, policies, and comprehensive test coverage.
- Used the migration as an opportunity to remove outdated legacy code and refactor older components to align with current engineering standards.
- Helped design and implement the new Stripe-based payment processing system that now handles merchant and client payouts.
- Support ongoing maintenance, data migrations, and platform upgrades across multiple Rails applications.
- Build Ruby, Python, and shell automation scripts that reduce recurring manual engineering tasks and operational overhead.
- Use GitHub Copilot to accelerate Rails migrations, test generation, and refactors with careful review and validation of model output to maintain quality and consistency.

Pronto   **2018-12-10 - 2022-12-05**
Senior Software Engineer   Lehi, UT - Remote

- Early engineer (#4), helping scale the web product from initial startup to an established SaaS platform.
- Developed internal Python tools for data transformation and automation, replacing manual spreadsheet workflows.
- Built real-time features with WebSockets and Vue.js; created custom JavaScript/PHP integrations for Canvas LMS.
- Automated internal data collection and processing using a variety of scripts and scrapers.
- Contributed to building a desktop version of the web app using Electron.

MasterControl   **2012-08-13 - 2018-12-07**
Software Engineer   Salt Lake City, UT (hybrid)

- Developed automated testing systems and Ruby/Sinatra web applications for internal teams.
- Implemented a real-time feedback system using WebSockets in a modular Ruby application.
- Built a video-capture and captioning system by interfacing directly with Kernel modules from Ruby.
- Created personal automation tools in Python to streamline repetitive engineering tasks.
- Used Jupyter notebooks to explore and analyze internal datasets.
- Contributed to the design and implementation of a comprehensive Selenium WebDriver testing system in Ruby.

Skills

Languages

Python, Ruby, JavaScript, PHP, TypeScript, Shell Scripting

Frameworks

Rails, Sinatra, Flask, FastAPI, React, Vue, Tailwind

AI & Automation

Ollama, OpenAI/Gemini APIs, GitHub Copilot, Codex, Web Scraping, Cron, n8n

DevOps

SQL, Docker, Linux, Git, AWS, Heroku