# Joshua Montross

Contractor • Software + Business Systems • Security-first builds

## Summary

I build pragmatic, secure software systems for operators who need results fast—dashboards, workflow automation, integrations, and internal tools. I work with discretion on time-sensitive projects where correctness, security, and communication matter.

## Core Skills

JavaScript • Ruby • PHP • Python • SQL • APIs • Automation • Dashboards • Security controls
AWS • Chef • TDD • Git • Integrations with SaaS + internal systems
Spanish (conversational/professional) • Frequent travel

## Experience

### Contractor — Independent

• Build dashboards, workflow automation, and integrations for small businesses.
• Embed with internal teams to ship scalable, maintainable solutions across JavaScript/PHP/Ruby/Python stacks.
• Security-first approach: least privilege, auditability, and defensive design.

### Product / Platform Work — OpenTug

• Software supporting maritime operations: tracking, booking, maintenance, and operational intelligence for barge fleets.
• Reduced operational friction by improving visibility into materials and fleet status.

### Software Engineer — Paubox

• Maintained and developed applications enabling secure patient communication for healthcare organizations.

### Cofounder (CFO/CTO) — Cryozone

• Built and optimized operations with KPI-driven management and process improvement.
• Exited February 2025 to focus full-time on software.

### Senior Software Engineer — Picarro

• Created a new product backend in Node.js and improved deployment processes (Chef).
• Championed engineering best practices: Git, TDD, and reliable deployment workflows.
• Developed Python applications (Flask/Numpy + command-line tooling).

### Software Engineer — Empowered Careers Inc.

• Engineered web services and APIs in Ruby on Rails and PHP.
• Contributed to iOS distance-learning efforts.
• Automated infrastructure on AWS using Fog and Chef.

### Web Developer — Demosphere International

• Built web services for leagues and organizations using Ruby & JavaScript.

### Course Instructor & Web Developer — Financial Literacy Foundation

• Managed and developed Rails website; taught financial literacy courses.

### Investment Banking Intern — Lehman Brothers

• Learned valuation methods and financial modeling; supported systems and analysis.

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