

# Joshua Montross

Contractor • Software + Business Systems • Security-first builds

## Summary

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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

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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

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### 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.

