

Jason Becht

Principal Software Engineer / Architect

Randall, MN

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Authorized to work in the U.S.

SUMMARY

Principal Software Engineer and Architect with **35 years of experience** designing, scaling, and operating long-lived production systems in **regulated, high-reliability environments**. Trusted technical leader with end-to-end ownership of architecture, delivery, reliability, and long-term maintainability. Deep expertise in **Ruby on Rails platforms, distributed and event-driven systems, cloud infrastructure, platform engineering, DevOps automation, observability, and security-first system design**.

CORE TECHNICAL & PLATFORM LEADERSHIP

- Principal-Level System & Platform Architecture
- Large-Scale Ruby on Rails Platforms
- Distributed & Event-Driven Architecture (Kafka)
- Cloud & Hybrid Infrastructure (AWS, GCP)
- Infrastructure as Code (Terraform, Ansible, AWX)
- Security, IAM, OAuth2, HIPAA-Compliant Systems
- Reliability Engineering, Observability & Scalability
- Technical Standards, Architecture Governance & Mentorship

PROFESSIONAL EXPERIENCE

Principal Software Engineer

HHAeXchange — Remote

August 2022 – Present

- **Principal technical owner** for multi-client, regulated production platforms supporting critical healthcare workflows.
- Own architectural direction at the **business-unit level**, defining system boundaries, architectural standards, and long-term technical strategy.

- Design and deliver **platform-wide enhancements** impacting all customers while preserving architectural consistency and domain integrity.
- Lead complex initiatives spanning multiple delivery cycles, carrying architectural and operational context across teams and sprints.
- Drive **strategic technical debt reduction** aligned with reliability, scalability, security, and delivery velocity.
- Architect **secure, highly available systems** with strong observability, fault tolerance, and operational readiness.
- Serve as senior technical escalation point for complex design, performance, and production issues.
- Mentor engineers across experience levels; contribute to hiring, technical evaluation, and engineering capacity planning.

Environment: Ruby on Rails, PostgreSQL, Kafka, AWS, GCP, Kubernetes, Terraform, Ansible, Redis, OAuth2, SSO

Chief Architect & Founder

CrypTech Studios

January 2001 – August 2022

- Founded and led architecture for a consulting studio delivering **custom software platforms** across healthcare, finance, e-commerce, education, and communications.
- Designed and implemented **cloud-native and hybrid architectures** spanning bare-metal, AWS, and GCP environments.
- Built **service-oriented and event-driven systems** following Twelve-Factor App principles and modern platform practices.
- Led modernization initiatives, evolving legacy systems into scalable, maintainable, and secure platforms.
- Served as senior technical authority for **architecture, security, performance, and operations**.
- Built and scaled engineering teams aligned to project scope, technical complexity, and client needs.

TECHNICAL FOUNDATION

Ruby, Ruby on Rails, Python, JavaScript / TypeScript, React, Kafka, PostgreSQL, Redis, AWS, Google Cloud Platform, Kubernetes, Terraform, Ansible, Event-Driven Architecture, Observability, OAuth2, SSO