

# Doug Rabinsmith

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Versatile engineering leader with 20 years of technology experience, including 11+ years of hands-on development and 9+ years of project/program management across major organizations. Uniquely combines technical expertise in software design and development with exceptional program management skills. Specializes in creating robust, scalable applications with focus on developer experience and collaborative problem-solving. Consistently delivers reusable architectural solutions, establishes meaningful service metrics, and fosters effective collaboration between diverse technical teams. Expertise in modern development methodologies, proficient in cloud infrastructure, and talented in fostering technical growth in team members while effectively bridging technical and business requirements.

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## Skills

- **Frontend:** TypeScript, JavaScript, React, React Query, Playwright, Cascading Style Sheets (CSS)
  - **Backend:** Python (FastAPI, Pydantic, Pytest, SQLAlchemy), Node.js, Express, MongoDB, Redis, Structured Query Language (SQL)
  - **Tools and Infrastructure:** GitHub Actions, NGINX, Cloudflare, OAuth/Single Sign-On (SSO), Role-Based Access Control (RBAC), Amazon Web Services (AWS), Microsoft Azure, Webpack
  - **Technical Leadership:** Agile/Scrum, Cross-functional Team Management
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## Professional Experience

### Hi-Rez Studios / RallyHere Interactive

*Jan 2017 - Present*

#### Frontend Lead (June 2023 - Present)

- Architected and implemented SaaS developer portal serving multiple development teams using React, TypeScript, and FastAPI, creating a foundational system that improved team productivity
- Created automated tooling that transforms OpenAPI specifications into a data map for the rendering of UI components, streamlining development workflow and reducing manual updates
- Implemented robust state management and caching strategies using React Query and Cloudflare, ensuring reliability in production
- Established performance and reliability targets for products, informing production monitoring and development priorities
- Led technical knowledge sharing sessions and established mentoring program to improve team capabilities with React and TypeScript
- Created architecture diagrams and technical documentation needed for security reviews and cross-team collaboration
- Established frontend development standards emphasizing maintainability, performance, and developer experience

#### Director of Web Development / Web Development Manager (2017 - 2023)

- Managed cross-functional team of 12 (developers, designers, producers, and artists) while maintaining hands-on involvement in technical architecture
- Created foundational code elements and reusable component libraries that improved code quality and development velocity
- Transformed legacy infrastructure into modern React-based architecture with caching strategies using NGINX and Cloudflare CDN
- Implemented custom A/B testing framework with robust monitoring and logging, enabling data-driven product decisions
- Spearheaded initiative to streamline processes across 60-person publishing organization by interviewing 60+ team members to understand pain points

- Managed cloud infrastructure on AWS and Azure, including load balancers, monitoring services, and automated deployment scripts
- Created and deployed automated test cases and performance testing procedures to ensure system reliability
- Proactively monitored production service levels and system performance, implementing improvements to maintain reliability

## **Gallagher Design, Razorfish**

*2013 - 2016*

### **Freelance Developer**

- Project managed and developed large-scale client projects for AT&T and Google using modern frontend technologies
- Created technical specifications and development standards for complex interactive installations
- Notable project: Google Partner Plex Installation – Led development of real-time interactive exhibits using AngularJS

## **frog Design**

*2011 - 2012*

### **Senior Program Manager**

- Led design and specification of developer sandbox for American Express' SERVE payment platform, collaborating with UX team to create intuitive developer sandbox environments
- Created proposals, estimates, budgets, schedules, and functional specs to effectively communicate a project's business, technical, and design scope for each project

## **The New York Times**

*2009 - 2011*

### **Interactive Production Manager, Creative Services**

- Managed development infrastructure decisions across multiple technical platforms
- Led technical implementation of multiple consumer-facing digital products
- Served as technical liaison between Creative Services and engineering teams, translating business requirements into technical specifications

## **Schematic (acquired by VML)**

*2007 - 2009*

### **Project Manager**

- Led development of NBC Olympics Silverlight Video Player, coordinating between multiple, distributed technical teams and stakeholders
- Established development standards and processes for Reuters Innovation Center platform
- Managed technical implementation of Panasonic Viera Cast interface, focusing on developer workflow optimization
- Created standardized process for technical documentation and handoff between development teams

## **Additional Experience**

- **Senior Project Manager, LBi (acquired by Digitas)**
- **Lead Project Manager, POKE NY, New York, NY**
- **Project Manager, Schematic (acquired by VML)**
- **Associate Producer, BEAM Interactive, Boston, MA**
- **Associate Producer, The Barbarian Group, Boston, MA**

## **Education**

### **Bachelor of Arts in Economics, Minor in English**

Tufts University, 2004

### **Certified Scrum Master**

Scrum Alliance 2008