

Joseph M. Reidell, MCSD

Principal Architect | Lead Software Engineer | DevOps Architect

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I am an accomplished software architect and engineering leader with over 25 years of experience in enterprise architecture, software development, and DevSecOps. Recognized for building and empowering cross-functional teams to deliver large-scale, cloud-native solutions that prioritize security, scalability, and performance. With a proven ability to drive agile practices, foster innovation, and optimize delivery processes, I consistently enhance operational efficiency while ensuring robust security and compliance across diverse cloud platforms and data systems.

Key Competencies:

- **Cloud and Security-Centric Development:** Proven expertise in building secure, scalable cloud-based platforms using Azure and AWS for security-focused, mission-critical systems.
 - **Leadership and Strategic Mentoring:** Extensive experience in leading cross-functional teams, mentoring developers, and empowering teams to drive innovation while executing technical and strategic vision for high-impact projects aligned with business goals.
 - **Infrastructure Automation and CI/CD:** Skilled in leveraging Terraform to automate cloud infrastructure, ensuring repeatability, reducing deployment times, and enhancing operational efficiency, complemented by extensive experience with Azure DevOps pipelines and GitHub Actions.
 - **Technology Stack:** Proficient in C#, .NET Core, Java, Spring Boot, JavaScript, TypeScript, Python, ReactJS, Angular, Terraform, AWS, Azure, Azure DevOps, Git and the Atlassian stack (Jira, Confluence, Bitbucket).
 - **Agile and DevOps Practices:** Deep experience implementing agile methodologies and leading agile ceremonies (e.g., daily stand-ups, sprint planning, retrospectives) across distributed teams to enhance productivity and maintain security best practices.
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Professional Experience:

Arcadia Solutions, LLC, Boston, MA

Senior Staff Software Engineer (Remote) — November 2023 – November 2024

- Initially recruited with a mandate to assume full team management responsibilities—overseeing day-to-day operations and technical leadership—with the expectation of transitioning into a managerial role; following organizational restructuring, the role evolved into a senior technical position.
- Contributed to the development, maintenance, and support of a healthcare data analytics platform that integrates multiple data sources (EHRs, claims) to deliver actionable insights, optimize care quality, improve patient outcomes, and reduce costs.
- Provided architectural guidance for an event-driven messaging system using AWS SNS, SQS, Lambda Functions, a Spring Boot backend API, a Nest.js API for the frontend, and both ReactJS and Angular frontend applications to manage authentication and scale task management.
- Led initiatives to streamline development processes and boost developer productivity by integrating AI-driven tools, thereby significantly enhancing workflow efficiency.

TROY Group, Inc., Costa Mesa, CA

Principal Architect (Remote) — February 2021 – November 2023

- Spearheaded the architecture and engineering of a greenfield SaaS Payment Platform, managing daily team operations while ensuring secure and scalable solutions across cloud (Azure) and on-prem environments.
- Directed the development of microservices using C#, .NET Core, and ReactJS, setting technical standards, clearing blockers, and driving efficient processing of financial data.
- Oversaw project workflows by estimating tasks, assigning tickets, and prioritizing backlogs to maintain on-time sprint deliveries and robust team performance.
- Collaborated closely with the Director of Software Development in the recruitment process, interviewing candidates and making strategic hiring decisions to enhance team capabilities.
- Advanced DevOps practices by implementing CI/CD pipelines with Azure DevOps and GitHub Actions, significantly reducing deployment time and increasing operational efficiency, all while maintaining top-tier enterprise security standards (UpGuard rating: 950).
- Cultivated a culture of excellence through regular design reviews, mentorship, and security audits, ensuring continuous improvement across cross-functional teams.

ConnectiveRx, Pittsburgh, PA

Technical Lead (Remote) — April 2019 – January 2021

- Played a key role in enhancing a global pharmaceutical distribution SaaS application, focusing on scalability, data governance, and compliance using C#, .NET Core, React, and Azure.
- Engineered and integrated a microservices architecture grounded in cloud-native security best practices, leveraging AWS and Azure to ensure robust performance and compliance.
- Achieved significant revenue increases of over \$60K per client by automating development tasks, reducing onboarding time by more than 240 hours per resource.
- Mentored junior and intermediate developers, driving adoption of best practices and improving development team performance.

Ferrum Consulting, LLC, Pittsburgh, PA

Owner/Principal Consultant — November 2007 – Present

- Provide consultancy for enterprise clients, specializing in cloud security, DevOps, Terraform, and microservices architecture using Azure, AWS, and modern development practices.
- Deliver solutions for web security, data compliance, and regulatory challenges for SMB and large-scale enterprises.
- Managed end-to-end project oversight, including architecture design, project scoping, implementation, and budget tracking, ensuring alignment with business goals and compliance requirements.

Certifications:

- Microsoft Certified Solutions Developer (MCSD)
 - AWS Certified Cloud Practitioner
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