Simon Lamb

Principal Engineer | DevOps Advocate

With a proven track record delivering AI systems, Cloud platforms, and enterprise-scale DevOps practices, I specialize in helping teams build solutions that are reliable, scalable, and transformative.

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PROFESSIONAL SUMMARY

I am a seasoned software engineer with over two decades of experience delivering scalable, impactful solutions—nearly nine of those years spent at Microsoft. My journey has spanned diverse roles: from Technical Evangelist in Developer Experience, to Cloud Solution Architect with Global Partner Solutions, to Senior Software Engineer in Azure Core (One Fleet Partner).

Over the years, I've developed extensive expertise in DevOps, both in mastering the tooling ecosystem (CI/CD pipelines, infrastructure-as-code, observability platforms, release automation) and in championing the principles that make DevOps transformative—continuous improvement, collaboration, automation, and measurement. I've helped teams modernize their engineering practices to achieve faster delivery cycles, higher reliability, and stronger alignment between development and operations.

What excites me most today is the evolving role of AI in engineering and product design. I'm passionate about how intelligent tools can accelerate coding, testing, and architecture, while also unlocking new product capabilities that create meaningful impact for customers. I see AI not just as a way to boost productivity, but as a collaborator that helps engineers and organizations innovate faster and with greater creativity.

PROFESSIONAL EXPERIENCE

Senior Software Engineer · Microsoft (Engineering - Azure Core)   *Jul 2024 — Present*

Build and maintain critical components for Azure infrastructure. Collaborate closely with the Semantic Kernel and Copilot teams to develop cutting-edge AI solutions and cloud engineering tools.

C#   Azure   AI/ML   TypeScript   React

Senior Software Engineer · Microsoft (Engineering - Microsoft Cloud)   *Apr 2024 — Jul 2024*

Developed cloud infrastructure solutions and AI-driven development tools. Focused on scalable cloud services and integration with Microsoft AI platforms.

C# · ASP.NET · Semantic Kernel · JavaScript/React · SQL/Fabric · ARM/Bicep

Cloud Solution Architect · Microsoft (Global Partner Solutions)   *Jul 2019 — Apr 2024*

Led enterprise cloud transformation initiatives and AI solution architecture. Specialized in prompt engineering, Azure cloud architecture, and DevOps practices for enterprise clients.

Prompt Engineering · Azure Cloud · C# · ASP.NET · Power BI · Azure DevOps · PowerShell

Technical Evangelist · Microsoft (DX - Developer Experience)   *Feb 2017 — Jul 2019*

Evangelized Microsoft development technologies and platforms to developer communities. Created technical content, delivered presentations, and provided architectural guidance for .NET, Azure, and emerging Microsoft technologies.

C# · ASP.NET · Javascript · SQL · Power BI · ARM · Azure DevOps · Node.js · PowerShell

Technical Architecture Lead · Fred IT Group   *Jun 2004 — Feb 2017*

Led a team of six engineers to design scalable platforms for the pharmacy and healthcare industry. Managed platform design, Agile/DevOps/IaC delivery, and team leadership.

C# · ASP.NET · Dynamics AX (X++) · SQL · Team Leadership

KEY PROJECTS

Enterprise AI Code Intelligence Platform for Azure

Architected and delivered an enterprise-scale AI-powered code intelligence platform deployed across thousands of Azure DevOps repositories. Processes millions of lines of code using advanced RAG pipelines and static analysis tools to identify security vulnerabilities and performance bottlenecks.

React · TypeScript · Semantic Kernel · OpenAI · Azure DevOps

Azure Engineering Governance & Risk Management Platform v2

Contributed as part of a crucial DevOps team to the re-implementation of Microsoft's foundational engineering platform for Azure service governance. Delivered infrastructure as code solutions using Bicep and Ev2 to provision this next-generation platform, architected for massive capacity and scale.

Bicep · Ev2 · AKS · Helm · Azure DevOps

Azure Deployment Accelerator TUI

Developed a bash-based TUI providing guided workflows for Microsoft's internal Azure deployment platform. Streamlined complex deployments through intelligent validation and Dev Container integration, becoming the standard tool across multiple engineering teams.

Bash Ev2 Dev Containers Azure CLI Terminal UI

Microsoft Fabric Data Solutions

Extended the Microsoft Fabric web interface to provide accelerators and solution templates offering structured foundations for different business domains and industries, including industry-specific schemas, data pipelines, transformation logic, and semantic models.

React TypeScript Azure DevOps Azure Artifacts

CORE COMPETENCIES

DevOps & CI/CD   Infrastructure as Code   Cloud Architecture   AI & Machine Learning

Microservices   Agile Methodologies   Team Leadership   Solution Architecture   Release Automation

Observability