

JOHN W HODSON

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PROFESSIONAL SUMMARY

Results-driven Senior Software Engineer at Microsoft with extensive experience designing and deploying large-scale distributed cloud systems. Technical lead for projects ranging from cross-tenant collaboration features to comprehensive tenant backup and recovery services in Entra ID. Skilled in driving initiatives from concept to implementation, coordinating large teams, and collaborating with partner organizations. Passionate about security, performance, and delivering reliable services to hundreds of millions of enterprise and consumer users.

EXPERIENCE

Microsoft, Redmond, WA

Senior Software Engineer

Entra ID Tenant Backup & Recovery

June 2024 – Present

- Led a team of 7 engineers and 3 product managers to design and prototype a tenant backup/recovery system for restoring large-scale enterprise customer tenants consisting of tens of millions of objects to previous states.
- Authored end-to-end design, cost analysis, privacy data flow, and threat model; collaborated with cross-org leadership to finalize approach.
- Implemented two orchestrator Kubernetes microservices enabling administrators to start, monitor, and manage asynchronous recovery jobs with robust logging and fault detection.
- Mentored junior engineers on code quality and architectural best practices while boosting on-call readiness through biweekly recovery readiness drills and AMA sessions that rigorously exercise our SOPs and incident response protocols.
- Coordinated weekly customer feedback sessions & integrated real-world requirements into product design.

Entra ID Cross-Tenant Access Settings

August 2020 – June 2024

- Owner of the [cross-tenant access settings MSGraph APIs](#), a set of OData REST APIs receiving over 66 million requests per day used to securely model B2B collaboration scenarios.
- Designed and rolled out the scalable Cross-Tenant Access Policy (XTAP) solution, migrating over 7 million customer tenants at scale with zero customer disruptions.
- Drove cross-org execution with partner teams (Substrate, eSTS, MSA) to unblock new features, mitigate security concerns, and enable advanced B2B scenarios.

EDUCATION

University of Florida, Gainesville, FL

GPA: 3.96/4.00

Bachelor of Science in Computer Engineering

[Computer E Award](#) (most prestigious academic award granted by ECE department), [Anderson Scholar](#) (top 1% academically in graduating class), [College of Engineering Scholarship for Engineering Leadership](#), CISE Scholarship, ECE Scholarship (x2), College of Engineering Dean's List (x4), [Bright Futures Florida Academic Scholar](#) (100% tuition coverage)

TECHNICAL SKILLS

Cloud & Distributed Systems Azure (CosmosDB, Storage, Service Bus, Key Vault, Service Fabric), Redis, Kubernetes, REST APIs, Microservices, Event-driven architecture, Multi-tenant architecture

Languages & Frameworks C#, Python, Java, C++, Bash, SQL, .NET, Docker, Azure DevOps (CI/CD), OData, Git

Security & Reliability Threat modeling, privacy data flows, GDPR/Schrems II compliance, monitoring, live site on-call

Systems Architecture & Leadership End-to-end system design, cost optimization, architecture reviews, mentorship, cross-organization collaboration

February 19, 2025