JOHN W HODSON

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PROFESSIONAL SUMMARY

Results-driven Senior Software Engineer at Microsoft with extensive experience designing and deploying large-scale, cloud-based services. 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 millions of enterprise and consumer customers.

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 tenants 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, fault detection, and rollback.
  – Coordinated weekly customer feedback sessions and integrated real-world requirements into product design.
- **Cross-Tenant Access Settings**   August 2020 – June 2024
  – Owned design and rollout of the scalable Cross-Tenant Access Policy (XTAP) solution, migrating over 7 million tenants to model B2B collaboration scenarios securely and at scale with zero customer disruptions.
  – Created a general-purpose batch queuing infrastructure to retire legacy LSM-based writes, streamlining migrations, backfills, and large-scale data operations.
  – Drove cross-org execution with partner teams (Substrate, eSTS, MSA) to unblock new features, mitigate security concerns, and enable advanced B2B scenarios.
  – Mentored junior engineers on code quality, architectural best practices, and on-call readiness. Fostered a collaborative, inclusive team culture via "Ask Me Anything" and "Recovery Games" sessions.

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, Service Bus, Key), Microservices, REST APIs
Languages C#, Python, Java, C, C++, Bash, OCaml
Frameworks & Tools .NET, Docker, Kubernetes, Azure DevOps CI/CD, OData
Security & Reliability Threat Modeling, Privacy data flows, Monitoring, Live Site on-call
Leadership Technical Design, Architecture Reviews, Mentorship, Cross-org Collaboration