

ANUPRIYA INUMELLA

San Francisco, CA | inumella.anupriya@gmail.com | +1 (650) 534-7858 | folia-phi.vercel.app

PROFESSIONAL SUMMARY

Backend and distributed systems engineer (ex-Microsoft Azure SQL Serverless; SIGMOD '24) with 6+ years building large-scale cloud infrastructure. Left Microsoft to build full-time in health AI. Founder of Folia, a private-beta companion for PCOS: longitudinal check-ins, structured diary, and governance-first RAG (human-approved research corpus, inline citations). Strong in production systems, applied ML/RAG pipelines, and human-in-the-loop evidence workflows.

WORK EXPERIENCE

Founder, Folia (Health AI), Bay Area

Jan '26 - Present

- Built mobile-first companion for women with PCOS: voice/text check-ins → LLM extraction → structured daily diary (meals, mood, symptoms, sleep, supplements, movement).
- Designed governed RAG chat: retrieval restricted to human-approved research chunks with inline citations; calm fallback when approved evidence is insufficient (no unconstrained medical generation).
- Shipped admin pipeline: PDF ingest → chunk review → approval → vector indexing (Supabase/pgvector, provider-agnostic AI layer).
- Private beta and interactive demo: folia-phi.vercel.app/#demo.

Senior Software Engineer at Microsoft, Bay Area

Mar '22 - Sep '25

Azure SQL DB Serverless

- Led design, implementation, and rollout of a serverless state API used by Azure microservices to determine database pause state, enabling downstream capacity reclamation and reducing COGS.
- Led a logical pause/resume capability for Azure SQL Serverless that reduced login latency by 60% by routing traffic directly to SQL during a measured post-activity window and lowering control-plane load.
- Built observability and automated mitigation tooling for pause/resume workflows, helping reduce incident volume by 70% through earlier detection and remediation.
- Built monitoring and corrective automation for under-billing and over-billing scenarios across Azure SQL Serverless databases, reducing revenue leakage and customer-facing billing issues.
- Owned delivery of key Azure SQL Serverless capabilities from design through rollout and production support, including SQL DB for Free and SQL in Microsoft Fabric.

Software Engineer at Microsoft, India

Jun '20 - Feb '22

Azure SQL DB Hyperscale

- Built autoscaling storage mechanisms for Azure SQL Hyperscale to support write-heavy migration scenarios.
- Implemented configuration persistence for Hyperscale logging services, improving operational correctness and maintainability.
- Automated safe rollout workflows for Hyperscale storage engine updates, reducing operational risk in production deployments.
- Implemented billing logic to prevent customers from being charged for unused migration targets.

Software Engineer at Qualcomm

Mar '19 - May '20

Hardware Digital Rights Management

- Enabled hardware DRM support on new Qualcomm chipsets for Windows by integrating Microsoft PlayReady DRM Porting Kit 4.0 and implementing secure key management improvements.

PUBLICATIONS

- *Proactive Resume and Pause of Resources for Microsoft Azure SQL Database Serverless*. ACM SIGMOD/PODS International Conference on Management of Data (**SIGMOD**). Presented in June 2024.
- *Anupriya Inumella, Ravi Kishore, Kannan Srinathan: Perfectly Secure Message Transmission over Partially Synchronous Networks*. International Conference on Distributed Computing and Networking (**ICDCN**). Presented in January 2019.

EDUCATION

International Institute of Information Technology, Hyderabad

Aug '18

Bachelor of Technology and Masters by Research in Computer Science and Engineering