

Anuj Agrawal

Cloud & Application Architect | Azure Platform | Terraform / IaC | C#/.NET & AI/LLM

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Cloud & application architect, 14+ years in tax and financial software. Architected **2 full-estate Azure migrations**, owned **Terraform/IaC** across **500+ VMs**, and led **disaster recovery** and **FinOps** programs across teams. Builds what runs on it too - **C#/.NET**, **Python**, and a production-ready **ASP.NET Core AI/LLM assistant**.

TECHNICAL SKILLS

Cloud Platform & Infrastructure as Code: Azure (App Service, Functions, Batch, AKS / Kubernetes, Azure SQL Managed Instance, Cosmos DB, Service Bus, Blob Storage, Key Vault, API Management / APIM) | AWS | Terraform | Bicep / ARM templates | AWS CDK

Development & AI: C# / .NET | ASP.NET Core / Web API | Python | SQL Server / Entity Framework | TypeScript / React | Microsoft Foundry (Azure AI Foundry) / Azure OpenAI | Semantic Kernel | RAG (Retrieval-Augmented Generation) / Azure AI Search | LLM evaluations | agentic workflows / MCP

Architecture & Security: microservices / REST APIs | cross-region DR | Azure Policy / landing zones | Private Endpoints / Private DNS | VNets / NSGs / ExpressRoute | App Gateway / Cloudflare WAF | Entra ID (Azure AD) / OAuth 2.0 / OIDC / managed identities / RBAC | CVE / EOL remediation

Delivery & Tooling: Azure CLI / PowerShell | Docker | Ansible | Azure DevOps | GitHub Actions | CI/CD | Claude Code / GitHub Copilot | observability: Datadog / Application Insights / Azure Monitor

PROFESSIONAL EXPERIENCE

Thomson Reuters | Austin, TX / Remote

May 2023 - Present

Associate Cloud Architect | *cloud and application architecture* | *tax platform, 23K+ tax professionals*

- **Architected Azure tenant migration:** acquired estate into a governed tenant - network redesign, landing-zone and Azure Policy remapping, Terraform build-out; cross-team coordination.
- **Owned Terraform / IaC platform:** 500+ VMs, 40+ instance types, 4 environments - 20+ modules, state standards, HTML plan renderer; onboarded 10+ engineers; golden images cut ~10 min per node boot.
- **Designed application & distributed systems:** C4 reference models; secure API, identity, and Azure PaaS patterns; three-lane Service Bus routing with KEDA-scaled AKS consumers.
- **Built AI / LLM assistant (ASP.NET Core):** production-ready chat - Semantic Kernel orchestration, RAG on Azure AI Search, SSE streaming, 9 authorized tools - sub-second first token.
- **Delivered AI evaluation & agentic tooling:** 17-case deterministic + LLM-as-judge harness, 100% pass vs a 60% CI gate; team-adopted platform - 8 agents, 7 AI CI workflows, 10+ repositories.
- **Led disaster recovery:** controlled cross-region failover/failback at a sub-4-hour RTO.
- **Secured private networking:** Private Endpoints, Private DNS forwarding, per-client CMK.
- **Drove security remediation:** 100+ CVE and EOL-runtime findings closed.
- **Built FinOps forecasting engine:** leadership's two-year cloud budget - ~8.5K cost combinations within ~6% of an independent finance model; ~six-figure annual optimization candidates.

SurePrep LLC | Irvine, CA / Remote

Jun 2016 - Apr 2023

Acquired by Thomson Reuters, 2023 | 250K+ taxpayer accounts, 4M+ document submissions

Cloud Application Architect

Feb 2020 - Apr 2023

- **Replatformed SoftLayer to Azure:** application hosting, network, Terraform foundation.
- **Migrated petabytes to Azure:** ExpressRoute across dozens of servers, two-month windows.
- **Planned tax-season capacity:** batch autoscaling, estate-wide **~4,000-core** Azure plan.
- **Established the company's first cloud & DevSecOps foundation:** Azure and AWS; Azure DevOps CI/CD; SonarQube and Veracode gates for **100+ engineers**.

Senior Software Engineer

Jun 2016 - Feb 2020

- **Built product features:** C# / ASP.NET Web API and React / TypeScript across document ingestion, questionnaires, letters, payments, and identity verification.
- **Tuned performance & concurrency:** async/await fixes, a shared HttpClient header race resolved per-call, Polly retry/circuit-breaker, Redis auth caching, Azure SQL read replicas.
- **Secured multi-cloud document delivery:** Azure compute, S3 presigned URLs, Cloudflare, CloudFront; Stripe, Plaid, PDFTron, and Twilio integrations.

EARLIER EXPERIENCE

Wolters Kluwer - CCH | India

May 2012 - Jan 2015

Senior Software Engineer

- **Built CCH Axxess modules:** C# / WPF / WCF / SQL Server; memory-leak and upgrade fixes.

Accenture | India

Aug 2011 - May 2012

Associate Software Engineer

- **Built CPOE features:** order-entry workflows and UI for a major U.S. cancer center.

SELECTED TECHNICAL PROJECTS

Event-Driven Trading & Quant Research Platform

2023 - 2026 | private repos

.NET 10 | MongoDB | RabbitMQ | WebSockets | Refit | Polly | Python (pandas / NumPy / Numba)

- **Built the order engine:** partial fills, OCO groups, cancel/replace, and restart recovery.
- **Accelerated research:** Python/Numba over **11 futures instruments**, **~8 years** of one-minute data, **~12x faster** columnar loading, holdout/walk-forward validated.

MoneyJog - Privacy-First Personal Finance Platform

2026 | moneyjog.com (live)

Next.js 16 | React 19 | TypeScript | Cloudflare Pages / Workers | Vitest | Playwright

- **Production build:** 43 calculator routes, 376 pages, 344 tests, 50-state + DC tax engine.

EDUCATION

M.S., Computer Science | Clemson University, USA

Jan 2015 - May 2016

B.E., Electronics Engineering | Nagpur University, India

Jul 2007 - Jun 2011