

Technology Leader

Vijay is an accomplished technology professional with more than 20 years of experience building startups as well as internet-scale solutions at Microsoft, Expedia and Warner Bros Discovery; **co-inventor on 8 patents** with multiple awards including a **Microsoft Gold Star** for delivering the HealthVault platform.

Vijay has a solid track record in building and leading teams in architecting and delivering robust, efficient, scalable, high performance, and resilient technology solutions.

Skills

LEADERSHIP

- ◆ Hire and lead global high-performance technology product teams.
- ◆ Foster an open, dynamic, and innovative culture.
- ◆ Coach and nurture tech leaders.
- ◆ Formulate, articulate and evangelize product visions.
- ◆ Drive effective multidisciplinary cross group collaboration.
- ◆ Deliver complex technical projects.
- ◆ Build consensus on engineering strategy.
- ◆ Manage project budgets.
- ◆ KPI reporting to C-suite team.

TECHNICAL

- ◆ System architecture
- ◆ Web services, microservices
- ◆ API design
- ◆ SaaS, PaaS
- ◆ Cloud native services: AWS
- ◆ Hybrid cloud solutions
- ◆ IaaS, DevOps, CI/CD
- ◆ NoSQL, RDBMS, Caching
- ◆ Messaging middleware
- ◆ Prototyping & analytics
- ◆ Agile Methodologies (Scrum, Kanban, FDD, Lean)

Career

AXHAM CORP.

JUN 2023 – PRESENT

CTO / Co-founder – ForNana.ai: scam phone calls protection

- ◆ Built a python / FastAPI web service which integrates with Twilio as the telco provider and Deepgram as the voice-to-text provider.

WARNER BROS. DISCOVERY (ISTREAMPLANET, LLC MERGER)

JUL 2017 – MAY 2023

Technical Director (Sr. Staff Engineer)

- ◆ Digital Rights Management (DRM): Led team to migrate legacy services to run on Docker/Kubernetes infrastructure. Optimized services for **12X improvement** resulting in **500k RPS** throughput, scaling to 2 million RPS.
- ◆ Professional Services: Built proof-of-concept for new subscription management platform and led working sessions with customer teams to successfully migrate their data and applications to the new platform.
- ◆ Solutions Architecture: Drove the adoption of a low-cost content encryption solution for budget-limited regional sports networks and worked directly with the customer team to integrate their services and applications.

Engineering Director, Commerce

- ◆ Led efforts to rearchitect the platform to support 100X concurrent users with only 5X additional cost and achieved **cost savings of \$15 million/year**.
- ◆ Ensured clear and timely communication with customers via monthly and quarterly business reviews.

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SEASONED, HANDS-ON TECHNOLOGY LEADER • ARCHITECT • TURNAROUND SPECIALIST

- ◆ Identified the need to overhaul payment systems and outlined strategy for new payments model; led the team to create prototypes, analyze vendor offerings, and deliver a robust shared services solution.

Engineering Director, Events Orchestration

- ◆ **Proposed and developed a new product line (\$9 million/year):** Events program model with end-to-end automation enabling on-demand, hybrid-cloud media encoding.
- ◆ **Reduced operation costs by \$3 million/year** of NCAA March Madness Live 2018 and 2019, and NBA League Pass 2017 and 2018.
- ◆ Led a 50-person cross-functional team of engineers, product managers, account managers and broadcast center operations staff.

AXHAM CORP.

DEC 2010 – JUN 2017

Founder / CTO

- ◆ Hired and ran a 13-member team of engineers, concept artists, 3D modelers, animators, and writers.
- ◆ Set up an office with requisite IT infrastructure; selected vendors, negotiated pricing and contract terms.
- ◆ Created 29 game prototypes; completed game play design for 5 games to take to production.
- ◆ Created specs and built prototypes for • provisioning biomedical equipment • tablet-based, turnkey survey software solution • personal time tracking and productivity enhancement application.
- ◆ DealBase, Inc. (Consulting) — Search engine marketing (SEM) automation tech for Bing Ads and Google AdWords.

Early Career

- ◆ **MICROSOFT CORP. — HEALTHVAULT – SR. SDE:** CO-INVENTOR ON 7 PATENTS. VP GOLD STAR AWARD RECIPIENT.
- ◆ **TRIBUTI — ADVISORY BOARD MEMBER**
- ◆ **HOTWIRE INC. — SR. MANAGER, ARCHITECTURE**
- ◆ **EXPEDIA, INC. — ARCHITECT**
- ◆ **DRUGSTORE.COM — LEAD SDE:** CO-INVENTOR ON 1 PATENT
- ◆ **MCI WORLD COM, INC ◆ DSR Co. ◆ CMC LTD. — SOFTWARE ENGINEER**

Tech Stack

ReST, JSON, XML, SaaS, SOA • Amazon Web Services (AWS), EC2, EBS, ECR, ECS, EKS, Lambda, CloudFront, CloudWatch, RDS, Route53, SQS, SNS, S3, IAM, KMS, ELB, ALB • Kubernetes (k8s), Docker, Helm, Terraform, Codefresh CI/CD, Datadog • MongoDB, DynamoDB, Oracle, Microsoft SQL Server, Sybase, Postgres, Redis, Memcached • Kafka, Weblogic • Python, Pandas, matplotlib, FastAPI, Flask, Jinja, Locust • C#/.NET/.NET core, C/C++, Visual C++, civetweb, Java/Jetty/Dropwizard • ASP.NET, ASP, VBScript, JavaScript • Lua, Squirrel, SDL, pygame • Windows, UNIX, Linux, PowerShell, bash

Education: Bachelor's Degree in Computer Engineering, First Class with Honors