

> DREW SCHILLINGER, MBA-MOT

ENGINEERING LEADER, AI INNOVATOR & CLOUD TECHNOLOGY STRATEGIST

Driving Innovation through Cutting-Edge AI & Cloud Technologies

Innovative tech leader with 15+ years in digital transformations, operational excellence, and cloud solutions. Proven track record in building, leading high-performing teams, driving strategic initiatives, and fostering a culture of innovation.

> CORE COMPETENCIES

RAG/MCP/Agentic GenAI | Strategic Vision & Product Leadership | API/SAAS Implementation | Servant & Team Leadership
IAC | Scalable Cross-Platform Cloud | Event-Driven Cloud Architecture | DevOps & ITSM | Pytorch/LLM/SLM Pipelines

API Scaling & Infrastructure Automation	Cultivating Strong Teams with Servant Leadership	Strategic AI Vision & Product Leadership	Event-Driven Cloud Architecture
<p>Designed, scaled APIs, serving 50MM concurrent NBA fans with zero downtime using Blue/Green deployments, multi-AZ architecture.</p> <p>Implemented edge caching and CI/CD tests for efficient high traffic management.</p>	<p>Led, mentored cross-functional platform teams, fostering a culture of excellence, continuous learning.</p> <p>Worked with stakeholders: execs, strategy, design, tech, ensuring cohesive go-to-market strategies.</p>	<p>Led AI strategy, delivering impactful generative AI customer-facing products and operational workflows.</p> <p>Developed, prioritized AI product roadmaps, ensuring alignment with overarching strategic goals.</p>	<p>Architected and integrated Kinesis for real-time analytics, significantly enhancing BI tool capabilities.</p> <p>Introduced, implemented proactive monitoring tools including DataDog, Dynatrace reducing incidents.</p>

COMPETENCIES

Emerging Tech:
 AI/ML/NLP/GPT/llama/RAG, AR/VR, Web3
Cross-Functional Engineering & QA Leadership

Languages & frameworks:
 JSX/TS, Python, Node, Go, React, PHP, TSQL, Mongo, Apollo, GraphQL
CDNs: Akamai, Cloudflare, Fastly

Cloud: AWS/Azure/GPC micro-services, SaaS
MQ: Kafka, SQS, Kinesis
CI/CD: CloudFormation, Serverless, Terraform, Docker, Github Actions

"Drew was way ahead of the game working with OpenAI/GPT years before it became a household name and changed the world. He embodies the very definition of innovation!" — A.D. Slaton, Sr, Director of Software Architecture @ Warner Bros Discovery

> EXPERIENCE

► Director of Engineering, Sports Card Investor Aug 2024-Present

Drove the expansion of Postgres, Mongo, and OpenSearch databases from 4 million to 20 million data sets. Employed TOGAF/WAF best practices to consistently reduce company's operational costs. Introduced LangChain, RAG and SLMs for image recognition.

- Integrated MCP-driven orchestration and RAG-based retrieval flows into core pipelines, optimizing cloud stacks, cutting hallucination-driven reprocessing costs by 70%. Mentored devs on agentic coding tools including Cursor and Claude Code.
- Build, scale a cross-functional engineering organization, mentoring managers and engineers, aligning delivery with executive leadership priorities, maturing governance across architecture, operations, and security.

Stacks: AWS, lambdas, ECS ► Typescript, React, Python ► MongoDB, Postgres, OpenSearch ► RAG, MCP, LangChain, OpenAI CLIP

► Inaugural Engineer / CTO, Onrise Dec 2023- Aug 2024

Spearheaded the rapid scale-up of an early-stage telehealth startup, achieving fully secure, remote operations in under 4 months.

- Architected, engineered a robust, fault-tolerant HIPAA-compliant CMS and patient acquisition platform, incorporating disaster recovery strategies and CI/CD by leveraging NextJS, React, Cloudflare edge lambdas, and MongoDB on Atlas.
- Strategically decided on build vs buy for tech systems, sourcing vendors, negotiating favorable pricing to optimize budget and performance. Mentored CEO, executive team, guided investors through decision-making, including AI SWOT analysis.

> Personal and Professional NorthStar: Innovation Through Iteration, Progress Through Process, One Change at A Time

► Goodr.co: Principal Engineer & VP of Engineering**2021 to 2023**

Directed multi-year engineering roadmap and managed managers across global teams, scaling delivery capacity by 4x while institutionalizing Agile/DevOps practices for operational excellence reducing defects tenfold and accelerated velocity by 50%.

- Defined architecture principles promoting scalability and security, managing onshore and offshore teams with a Follow-The-Sun model, quadrupling team performance and reducing bugs tenfold. Introduced pros/cons of agentic AI coding.
- Transformed technology landscape by implementing Agile methodologies and modernizing the DotNet/React tech stack, accelerating product delivery by 50% and reducing costs by 33%. Introduced Azure serverless SQL Database architecture.
- **Technical Expertise:** Leveraged former vendor relationships: Dynatrace, MongoDB, and Auth0, increasing efficiency by 75% in maintaining, coding ReactNative components, Azure Logic Apps, and serverless SQL DBs and functions.

Stacks: React/ReactNative, Typescript, DotNet/C#, PHP, NodeJS, SQL, Azure, AWS, Serverless, DataDog, ELK, Dynatrace

► WarnerMedia/Turner Broadcasting/WBD Lead Engineer -> Sr. Tech Manager**2007 to 2021**Innovation Leadership: Lead Engineer

- Pioneered development of serverless, Python-based GPT solutions to build bespoke Retrieval-Augmented Generation (RAG) and LangChain frameworks years before their mainstream adoption at global scale.
- Launched an internal innovation hub connecting idea generators with talent, spearheading product development from ideation to implementation. Directed Directors and Managers to build out prototype.
- Amplified innovation across product lines by presenting tech talks on AI and cloud technologies.
- Improved ITSM DevOps processes for CNN Help Desk using LSS Green Belt DMARC.

NBA.com/NBATV & HBOMax: Sr. Tech Manager

- Directed NBATV and NBA.com SaaS team squad managers while leading the HBOMax team from being two sprints behind to launching a sprint ahead of schedule, ensuring timely delivery and exceeding project expectations.
- Scaled engineering organization from 7 to 14 engineers across multiple squads, instituting leadership coaching and succession planning that elevated overall organizational performance from bottom quartile to top tier.
- Architected NBATV LeaguePass microservices using Blue/Green deployments, multi-AZ architecture, AWS WAF, reaching 50M fans across 30+ platforms daily without downtime. Implemented edge caching for efficient high traffic management.
- Implemented proactive system management strategies using Alert Logic, New Relic, and Circuit Breakers. Implemented deployment checklists, scriptable tests, and roll back plans.
- Prototyped, launched a monetized proof-of-concept AI product, elevating revenue by \$20K in the first weeks of COVID.
- Partnered with senior executives to define strategic technology priorities for NBA.com, NBATV, and HBOMax, balancing platform innovation with regulatory, security, and operational mandates.

Adult Swim: App Implementation Manager

- Hired as inaugural engineer, established a framework for rapid growth. Grew into a thought leader, manager of managers.
- Used S3 and Elemental servers to architect, build ad-enabled HLS marathon streams three years before PlutoTV, setting a new standard for content delivery.
- Led creation and inaugural launch of authenticated TV on web, Xbox, and Roku products, positioning the division as the first within the company to launch OTT video apps. Prototyped the first Roku TVE app for the company.
- Pioneered AWS in 2012 and Infrastructure as Code (IaC) for other Turner brands in 2014.
- Architected a robust homegrown CMS, enabling a comprehensive headless multi-datatype website, database, and CMS production in under three months, used by multiple Turner brands.

Stacks: AWS (Lambda, Data Lakes, WAF), Azure, GCP, Kafka, TensorFlow, GPT, Python, Typescript, NodeJS, GoLang, Bash, Perl, Brightscript, PyTorch, NoSQL, Apollo, GraphQL, Mongo, React, PHP, Java, Perl, PostgreSQL, terraform, CloudFormation, DataDog, ELK, Grafana, Angular, Akamai, Fastly, serverless-on-the-edge

"I foster innovative solutions and cohesive teams to deliver meaningful experiences for our most valuable assets—our employees and customers. With a fervor for process and technical excellence, I am dedicated to mentoring and leading PMs and engineers toward achieving our product goals."

Additional:

- ▶ **Instructor / School Lecturer**
 - Lead hackathon classes at various middle schools, high schools, camps, and colleges, teaching coding best practices, APIs and programming languages, and the use of Agentic AI, LLMs, RAG, GPT, and LangChain.
- ▶ **Agentic AI/Tech Leadership:**
 - Manage the Atlanta Tech Meetup Group and moderate and host AMAs on the r/RAG, r/LLMFrameworks, and r/SLMDevs subreddits.
- ▶ **Business and Tech Mentorship: Institute for African American Mentorship in Computer Sciences (IAAMCS)**
 - Mentor at the Institute for African American Mentorship in Computer Sciences (IAAMCS), guiding and nurturing the next generation of tech leaders.
- ▶ **Educational Advisor: Fulton County School District Curriculum Advisory Board**
 - Shape IT education as an advisor for the largest school district in Atlanta, refining IT.
- ▶ **EMBA Ambassador: Georgia Tech Scheller College of Business**
 - Champion success at Georgia Tech Scheller College of Business as a member of the MBA program's Alumni Council.

>_ EARLY CAREER

Web Developer, Walt Disney Parks and Resorts Online, 2006-2007 | Interactive Media Course Instructor, Full Sail University, 2005-2006

"Drew was part of efforts to shore up services and infrastructures that powered livestreaming of NBA games. Against all odds he delivered success after success and helped the organization finally turn the corner. No other leader achieved the same level of impact to teams and the organization as a whole." — Jerry You, Engineering Manager, Home Depot

>_ EDUCATION

Executive MBA, Georgia Institute of Technology, Scheller College of Business, Atlanta, GA, 2021
Specializations: Management of Technology, Strategy and Innovation, Consumer Behavior

Bachelor of Arts, University of Central Florida, Orlando, FL
Majors: Film/Cinema/Video Technologies, English Language Arts

Certifications: Lean Six Sigma Green Belt, Irrational Labs Behavioral Economics Bootcamp