

Vikram Siwach

Accomplished Product Executive

vsiwach@mit.edu | 9783998529 | <https://www.linkedin.com/in/vsiwach/>

EDUCATION:

- MIT SLOAN SCHOOL OF MANAGEMENT**, Cambridge, MA 2025 - 2026
Master of Business Administration; Sloan Fellows MBA
- President of AI Agentic Web Club
- HARVARD BUSINESS SCHOOL**, Boston, MA 2013 - 2014
Executive MBA, Program for Leadership Development Advanced.
- DELHI UNIVERSITY**, Delhi, India 1999 - 2003
Bachelor of Science, Major in Computer Science. 1999-2003

PROFESSIONAL EXPERIENCE:

- DIRECTOR PRODUCT MANAGEMENT, TIKTOK**, San Jose, CA 2021 - Present
- Own end-to-end strategy for TikTok's multi-cloud distribution & AI-infra stack powering video, live, and gaming for **1.6B+ users**; initiatives underpin **\$100M+ annual infra savings**. **Led \$2B in multi-cloud infra investments** for AI applications and global service delivery.
 - Built **Cloud Neuron**, an AI-infra layer that places/scales recommendation & inference across multiple clouds on **spot/preemptible GPUs** with checkpointing and SLO-aware autoscaling—raising GPU duty cycle and cutting **\$/token** while meeting latency targets.
 - Launched **Global Service Accelerator (GSA)** across public cloud + private backbone—**leveraging Google Cloud's backbone** for key paths—to shrink tail latency on recommendation APIs; **delivered \$106M in savings** and higher throughput.
 - Deployed **Agentic AI for Site Reliability Engineers**: bots that watch systems, auto-triage alerts, draft fixes (config/code), and trigger **guarded deploys** (canary/rollback). Result: **~70% Mean Time To Resolve reduction**; targeting **~20% org-wide productivity lift**.
 - **Managed a team of 10 global product managers** to distribute content caching and inference workloads worldwide; owned partnerships with hyperscaler's and ensured **regulatory compliance** across regions.
 - Negotiated "shared-trust" partnerships with cloud providers for preferred pricing, resiliency SLAs, and joint GTM; built should-cost models (compute/egress/storage/backbone) to keep spend within guardrails.
 - Championed open source and privacy-first observability: **drove Linux & CNCF initiatives as a board member** to open-source TikTok infra components focused on **user-data privacy and transit observability**; **presented GSA at KubeCon '23** to boost brand and OSS adoption.

MOBILEDEX (ACQUIRED BY GOOGLE), San Jose, CA 2019 - 2021

Director PRODUCT MANAGEMENT

- Led development of edge cloud developer platform to enable immersive and AI applications deployment at the telco networks edge. Built a federation of mobile operators for telco edge cloud leading to successful acquisition of MobicloudX's by Google
- Led go-to-market efforts with key hyper-scalers to deploy 16 edge cloudlets in telecom infrastructure across Europe, Asia, and North America

- Led a multi-year initiative to develop serverless orchestration with advanced offloading on GPUs
- Collaborated with networking and compute vendors to create open-source edge stack blueprints for programmable data paths and optimal scheduling of low-latency workloads
- Led Global System for Mobile Association (GSMA) architecture group in defining the telco operator edge platform and chaired the Linux Foundation's edge architecture and API communities, contributing to the industry's edge ecosystem

VERIZON, Waltham, MA

2015 - 2018

Product Architect

- Led development of SDN-based data plane platforms, optimizing protocols for Verizon's network, resulting in \$3B savings on radio expansion
- Led architecture and design for scaling next-generation billing cloud deployment within Verizon, enabling new revenue streams with customized subscriber billing, serving 100M users nationwide
- Designed and developed a billing platform prototype with a team of 6 architects, securing a \$20M seed investment for the billing cloud product development
- Managed software development, Quality Assurance, and operations teams across the US and India to transform above prototype into a fully integrated billing cloud for live deployment

AFFIRMED NETWORKS (ACQUIRED BY MICROSOFT), Greater Boston Area

2010 - 2015

Founding Engineer

Founding Engineer

- Affirmed Networks acquired by Microsoft is market leader virtualizing mobile core networks. Hired day one as part of core engineering team to bootstrap the stealth startup. Coded various layers of stacks to build EPC core as virtualized functions. Worked through various early access product problems both at framework and system level. Established and managed a team of 5 engineers to develop telco cloud.

SONUS NETWORKS, Westford, MA

2007 - 2010

Principal Engineer

- Moved across countries to build carrier grade product of my own, I conceived, designed and coded parts of signaling gateway product deployed in 50 countries across 5 of the 6 world's largest carriers. Saving \$150 MN a year for the company

HUGHES NETWORK SYSTEMS, GURGAON, India | Silicon Valley, CA

2003 - 2007

Software Developer

- Developed component protocol stacks used in 3G network nodes. Spearheaded solving problems reported from the live network deployments and consulted clients for integration and deployments across the globe

RECENT OPEN SOURCE PROJECTS:

GLOBAL SERVICE ACCELERATOR (TIKTOK): BUILT A GLOBAL SERVICE, San Jose, CA 2023 - 2023

Open Source: We at TikTok built global service accelerator (GSA) using open source code and multiple cloud providers Compute and back bone Infrastructure, to accelerate TikTok's recommendation API traffic from all geographies to our high-power recommendation engine on core sites. GSA significantly reduces latency to origin thus "For you" pages for end users with list of recommended videos become lightning fast

TELCO EDGE CLOUD, San Jose, CA 2020 - 2020

Industry Ecosystem : Telco Edge Cloud (MobileEdgeX now Google): Developed a telco edge cloud platform by federating mobile operators and working closely with telecom infrastructure providers by open sourcing code

SKILLS:

- General Management
- Team Management
- Strategy Development
- Product Design
- Cross Functional Stakeholder Engagement
- Platform Architecture
- Software & Infrastructure Development
- Networking & Security
- Linux Kernel Programmability
- Multi-Cloud Management
- Open-Source Ecosystem Leadership
- Public Speaking

PATENTS, PUBLICATIONS AND PRESS:

- Fire side chat with Andreessen Horowitz partner Martin Casado on AI and its impact on open source & startups
- Traffic Control Platform
- Method and System for Implementing Redundancy at Signaling Gateway
- Congestion Control for Cellular Wireless Networks
- Subscriber Billing System Over Commodity Hardware

ACTIVITIES:

- Non-Profit Leadership: Led growth strategy consulting for Families First through the Harvard Business School CAP Program (Sep 2022 - May 2023)
- Board Member, HBS Association of Boston: Advise new graduates pursuing careers in the tech industry, offering strategic insights and career guidance (Aug 2023 - Present)
- Private Pilot: Licensed to fly single-engine Cessna planes
- Advanced Hatha Yoga Practitioner: Practicing advanced yoga techniques for mental and physical well-being