

Mark Mydland

Products with a pulse. Shipped at world scale. No fire drills.

Software Engineering Executive | VP / SVP Engineering

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PROFESSIONAL SUMMARY

Engineering executive and U.S. Army veteran who builds new products and ships them at scale. At Microsoft, built a product from four people to ~5% of all Azure VMs (~\$250M/yr in Azure compute). Most recently, at Dexcom, delivered the first FDA-cleared over-the-counter glucose monitor. Runs the same play every time: anchor the team to the customer so every task has a straight line to real value, ship the smallest increments that actually deliver, and never let quality slip. The result is excellence without heroics.

CORE COMPETENCIES

Engineering Org Design & Scaling • Product & Platform Strategy • Cloud Architecture (Azure) • SaaS & IoT Platform Development • Mobile / Digital Health Engineering • Regulated / FDA-Cleared Delivery • 0-to-1 Product Building • P&L & Revenue Growth • Engineering Operating Systems • Quality & Reliability Culture • Team Building & Leadership • Agile Delivery at Scale

PROFESSIONAL EXPERIENCE

Dexcom • San Diego, CA (Remote)

July 2024 - April 2026

Vice President of Software Engineering, Mobile & Digital Health

Led ~125 engineers responsible for six consumer mobile applications supporting the G6, G7, and Stelo continuous glucose monitoring systems across Android and iOS (phones, watches, tablets). Drove development of a regulated digital health platform serving 2M+ daily users as the company expanded into consumer markets with a new direct distribution model.

- Opened Dexcom's first direct-to-consumer channel and entry into a 125M-patient pre-diabetic market through the development and rollout of Stelo, the first FDA-cleared OTC CGM.
- Exceeded 99.9% crash-free sessions across six consumer apps and two wearable platforms under Class II medical device constraints, protecting patient safety for over 2M daily active users.
- Reduced total open defects 68% and cut open safety-critical issues from 12 to four, cultivating a quality culture that has since found and fixed 15 latent safety-critical defects across iOS and Android.

Strella Biotechnology • Seattle, WA

February 2023 - June 2024

Chief Technology Officer

Built the product and engineering function as CTO of a Series A IoT supply-chain startup, taking Strella from R&D to three commercial SaaS products across three global regions in 16 months and owning product management until hiring for it.

- Reduced customer inventory shrink by 50% across three commercial SaaS products deployed in three global regions by launching data-driven logistics solutions.
- Built the product backlog from scratch and secured executive agreement on priorities, establishing a weekly delivery cadence and hiring the company's first product manager.
- Expanded global market reach by architecting the AgroFresh partnership platform, enabling deployment across South America, EMEA, and APAC.

Microsoft • Redmond, WA

November 2006 - November 2022

Partner Director of Engineering, Azure IoT Platform

November 2018 - November 2022

Led an organization of 225+ engineers building the core services of one of the world's largest IoT platforms (device provisioning, digital twins, and IoT Hub). Set the structure and leadership model the platform needed as it grew in scale and complexity.

- Owned Site Reliability Engineering across the platform, partnering with Microsoft's centralized Azure SRE organization for tooling and guidance while each team designed and owned its own SLOs and SLIs, building disaster recovery and incident response into standard practice.
- Scaled deployments across 55 regions by resolving an architectural constraint that forced every region to maintain costly minimum compute capacity, rebuilding the allocation model to enable true elastic scaling and materially reduce cloud costs.
- Drove over \$1B in downstream Azure consumption by leading the core Azure IoT platform across device provisioning, digital twins, and IoT Hub.

Engineering Manager & Co-Founder, Azure Lab Services Group

November 2014 - November 2018

Founded and led the Azure DevTest Labs engineering group after Microsoft chose not to acquire externally in the lab services space. Defined product direction, built the team, and developed the business case for a new Azure service that automated development and test environments for enterprise engineering teams.

- Grew Azure DevTest Labs from a zero-revenue concept to ~5% of all Azure VMs, replacing unmanaged development environments with self-service automation adopted by Fortune 500 enterprises and top-tier global universities.
- Owned Site Reliability Engineering, disaster recovery, and incident response as a standing team discipline — quality that got Lab Services specifically selected as a model team for Azure's company-wide ISO audit.
- Pioneered compute auto-shutdown in DevTest Labs, which Azure Compute adopted platform-wide as the authoritative shutdown infrastructure, cutting \$9M in annual platform costs.
- Built and scaled the engineering team from two to 30 over four years, establishing the product and engineering disciplines that took a concept with no playbook to ~5% of all Azure VMs.

Director of Test, Visual Studio Ultimate & Application Insights

June 2010 - November 2014

Led the quality engineering organization for Visual Studio Ultimate and Application Insights. Replaced legacy coverage-based quality practices with a customer-focused approach driven by real-world usage telemetry.

- Accelerated release cycles from 18-24 months to quarterly, delivering new capabilities to enterprise customers six to eight times faster by redesigning division-wide development and release processes.

Group Manager, Visual Studio for Test Professionals

November 2006 - June 2010

Directed engineering operations for Visual Studio for Test Professionals, the first dedicated Visual Studio offering for enterprise quality assurance teams.

- Delivered the fastest-growing product in the Visual Studio family, becoming the primary driver of VS Ultimate upgrade revenue.

ADDITIONAL EXPERIENCE

- Director of Software Engineering, Getty Images, 2004–2006.
- Development Manager, Microsoft Corporation, 2001–2004.
- Vice President of Technology, marchFIRST, 2000–2001.
- Director of Technology, Cole & Weber, 1999–2000.
- Development Lead, USWeb/CKS, 1998–1999.
- Technology Consultant, Andersen Consulting (Accenture), 1996–1998.
- Infantry Officer (Airborne & Ranger Qualified), U.S. Army, 1991–1996.

EDUCATION

Bachelor of Science (BS), Mechanical Engineering - United States Military Academy, West Point, NY

SELECTED PATENTS & PUBLICATIONS

U.S. Patents 7,526,470; 7,657,519; 7,653,611; 7,363,282 - search relevance, intent-based clustering, diagnostic workflow logging, and user-behavior search.

Fox, S., Dumais, S., et al. (2005). Evaluating implicit measures to improve web search. ACM Transactions on Information Systems, 23(2), 147-168.