

# Samuel Bloch, MBA

Director of Engineering | Leading Cloud & Data Platform Modernization  
Greater Boston

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## SUMMARY

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I lead engineering teams that modernize, scale, and operationalize data platforms across the life sciences industry. My focus is enabling commercial, medical, and RWE teams to move faster by replacing legacy architectures with cloud-native, automated, highly reliable solutions built on modern technology, including Snowflake, Spark, Kubernetes, Python and MongoDB.

My background spans platform architecture, MDM (HCP/HCO), large-scale data processing, HIPAA-compliant systems, DevOps automation, and cross-functional leadership. I currently manage global engineering teams across the U.S. and India and collaborate with product, commercial, and executive partners to deliver platforms that support analytics at enterprise scale.

## CORE COMPETENCIES

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Cloud & Data: Snowflake, Iceberg, Spark, Data Lakehouse Architecture, Cloud Modernization | Engineering: MDM (HCP/HCO), Commercial Data Engineering, CI/CD, DevOps, Observability | Leadership: Global Team Management, SDLC Maturity, Technical Strategy, Cost Optimization | Compliance: HIPAA, Security, Risk Reduction, Reliability Engineering | Technical: Python, Kubernetes, MongoDB, SQL | Languages: English (Native), Spanish

## EXPERIENCE

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**Trinity Life Sciences** Nov 2023 - Present  
*Director of Engineering* Greater Boston

- Lead engineering teams driving cloud and data platform modernization initiatives
- Architect and implement enterprise-scale analytics platforms for life sciences organizations
- Manage global engineering teams across the U.S. and India
- Drive HIPAA compliance, security, and risk-reduction programs

**BEKHealth** Apr 2021 - Nov 2023  
*Director Of Engineering* Greater Boston

- Led engineering organization through platform modernization and scale initiatives
- Implemented cloud-native architectures including Snowflake and Spark
- Established DevOps automation and operational excellence practices

**BEKHealth** Jul 2020 - Apr 2021  
*Lead Product Developer* Greater Boston

- Drove product development initiatives for data platform solutions
- Collaborated with cross-functional teams to deliver analytics capabilities

**SHYFT Analytics** Feb 2019 - Jul 2020  
*Lead Solution Developer* Watertown, MA

- Led solution development for enterprise life sciences clients
- Architected data solutions for multi-national pharmaceutical organizations

**SHYFT Analytics** Sep 2017 - Feb 2019  
*Senior Solution Developer* Greater Boston

- Served as primary database developer on multiple flagship accounts
- Delivered solutions for large multi-national life sciences organizations

## EDUCATION

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**Northeastern University** 2017 - 2020  
*Master of Business Administration - MBA, Technological Entrepreneurship*

**Northeastern University** 2010 - 2014  
*Bachelor of Science, Economics*