

SARAH MITCHELL-CLARKE

Chief Technology Officer — FinTech

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Professional Summary

Visionary technology executive with 18 years of experience building and scaling high-performance engineering organizations at the intersection of finance and technology. Led platform engineering efforts supporting \$50B+ in annual transaction volume. Expertise in cloud-native architectures, distributed systems, and regulatory technology. Former CTO of a YC-backed startup acquired for \$180M. MSc Computer Science (Imperial College London).

Experience

Chief Technology Officer

June 2021 – Present

Digital Banking Platform Ltd, London

- Leading technology strategy and engineering execution for a digital banking platform serving 4.2M customers across 8 European markets.
- Scaled engineering organization from 85 to 320 engineers across London, Berlin, and Lisbon hubs.
- Architected and delivered a real-time payments platform processing \$50B annually with 99.999% uptime.
- Drove migration of legacy monolith to event-driven microservices architecture, reducing deployment frequency from weekly to 50+ daily deployments.
- Established an AI/ML division focused on fraud detection, credit scoring, and personalized financial recommendations.

VP Engineering

March 2016 – May 2021

PaymentTech (YC W16, acquired for \$180M), San Francisco

- Built the engineering team from 5 to 110, establishing a world-class remote-first engineering culture.
- Designed the core payments orchestration engine processing \$12B annually across 40+ payment methods.
- Led all technical due diligence activities during the \$180M acquisition by a major financial services group.
- Implemented SRE practices that improved platform reliability from 99.9% to 99.999% availability.

Senior Software Architect

September 2010 – February 2016

Barclays Investment Bank, London

- Designed and delivered real-time risk calculation platform for the Fixed Income trading desk, processing 500K+ trades daily.
- Led a team of 25 engineers building next-generation post-trade processing systems.
- Served as technical lead for regulatory reporting platform (MiFID II, EMIR) across the investment banking division.

Education

MSc Computer Science

2006

Imperial College London

BSc Mathematics & Computer Science

2004

University of Edinburgh

Skills

Cloud Architecture



Distributed Systems



Platform Engineering



AI/ML



FinTech Regulation



Agile at Scale



M&A Tech DD



Team Building

