

John Rogers
Backend & Systems Engineer

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Profile

Backend-focused software engineer with over seven years of experience building data analytics systems in regulated healthcare environments.

Most professional work involved handling sensitive data (PHI) under HIPAA and GDPR, where correctness, auditability, and explicit constraints matter more than speed or novelty.

Interested in systems that enforce hard boundaries, fail clearly instead of guessing, and prioritise correctness over confidence.

Side projects are used to explore AI-adjacent system design and failure modes in depth.

Professional Experience

Software Engineer – Data Analytics

Merative (formerly IBM Watson Health), Dublin (2022–2024)

Worked on healthcare analytics applications operating under HIPAA and GDPR constraints, focusing on backend systems and data access patterns where correctness and auditability were critical.

Software Engineer – Healthcare Analytics

IBM Watson Health, Dublin (2018–2022)

Built analytics and reporting systems for regulated healthcare data, including automated test suites, access control mechanisms, and audit logging aligned with HIPAA safeguards.

Software Engineer – Watson Workspace

IBM, Dublin (2016–2018)

Backend automation and ETL pipeline development for collaboration software, including localisation pipelines and large dataset handling.

Education

BSc Computer Science (First Class Honours), National College of Ireland (2016)

Selected Projects

ForgeBreaker

MTG Arena deck analysis tool enforcing strict card legality and explainable failure modes over win-rate claims.

MLForge

Experimental ML pipeline framework exploring explicit failure modes and commitment boundaries.

MCP-Demo

Demonstration of constrained AI tool invocation and principled refusal using the Model Context Protocol.