

Experience

Apple	Cupertino, CA	2021 – present
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Developed data and object models for several core domains in Channel Sales organization.

Evangelized the application of modern software development practices to analytical data.

Risk Management Solutions Newark, CA 2004 – 2020

Architected and led development of TreatyIQ, a cloud-native reinsurance pricing application incorporating the technologies listed below..

TreatylQ launched
2020

Spearheaded the design of a new exposure data model for insurance, culminating in the Risk Data Open Standard.

RDOS launched
2020

Invented and took to production Structures & Positions, a simple system for rolling up large reinsurance structures.

RiskModeler 1.0
2017

Invented CDL, a Contract Definition Language for insurance, and led development of tooling including a compiler and ultra-fast execution engine.

*Ships with the all of
the above*

Previous work

Kulkarni & Glaubman (2003–2004)

Registry Systems (1998–1999)

Barra (2001–2003)

Autodesk (1993–1998)

Consilient (2000–2001)

Wolfram Research (contractor) (1992–1993)

Inktomi (contractor) (1999)

Math Science Research Institute (1991–1992)

Education

Northeastern University

Boston, MA

BS Mathematics

Invited talks

Bounding complexity with domain specific languages. DDD Europe 2019. 1/2019.

Encapsulating complexity in a DSL. Explore DDD 2018. 10/2018.

Patents

Predicting and managing impacts from catastrophic events. US10445303. Granted 10/2019.

Graph-based data analysis based on interpreting a structure definition language. WO20190332631. Filed 10/2019. Patent Pending.

High performance big data computing system and platform. US10387414. Granted 8/2019.