Richard Hampton

Expert in (Re)Insurance risk management, catastrophe modelling, and analytics systems.

Education & Certifications

MSc Finance and Investment

Durham University

BA (Hons) Economics and Finance

Keele University

Advanced Diploma in Management Accounting

Chartered Institute of Management Accountants

Diploma in Insurance

Chartered Insurance Institute

Skills

Technical

- Data engineer
- Full stack dev
- Web API
- Analytics systems
- Database design
- Frontend UI

Domain

- Catastrophe Modelling
- Reinsurance
- Quant Modelling
- Web Applications
- Data Modelling

Tools

Languages

- Python
- TypeScript
- SQL
- Go

Frameworks

- Django
- Laravel
- Vue
- Astrojs

Projects

Startup ETF Analysis app

Fundsaurus.com

Built an application to produce look-through analysis of ETF / investment holdings. Targeted at retail investors. Involved:

1. Full stack web development to build the app
2. Dozens of data pipelines and orchestrators to source data
3. 20+ web scrapers to feed the pipelines
4. Complete deployment pipelines to deploy services using Docker/K3s on hosted Linux VPS
5. Marketing materials, landing page

Build of analytics ecosystem for market-leader

Lloyd's Syndicate

Built the end to end catastrophe analytics system for a leading Lloyd's syndicate - including designing management reporting, model methodologies, time series analysis.

Improve rollup processes

MGA

Improved the critical rollup processes for a leading MGA to include:

1. Improved organisation with responsibilities and checklists
2. Implement database to verify rollup data and automate downstream reporting

Cat simulation engine

US-based Global Insurer

The insurer was able to produce monte carlo simulation outputs and rapid portfolio analysis along with automated management reports.

Cyber Risk Modelling

MGA

The project was to assess and report upon Cyber modelling and scenarios for a growing Cyber MGA. This resulted in bespoke scenarios and analysis being created and the MGA to plan for doubling their cyber book.

Proprietary catastrophe models

US-based Insurer

This project required creating proprietary catastrophe models which enabled risk analysis for regions such as Thailand, Australia, Canada as well as classes of business such as Workers Comp and Cyber.

Integration of analytics systems

Global Insurer

The project was to integrate underwriting pricing system with exposure analysis. Web APIs deployed internally bridged between multiple legacy systems and infrastructure, using cache systems and performance profiling to improve response times for large datasets.

Multiple Catastrophe model evaluations

Several (Re)insurers

Produced dozens of catastrophe model evaluations tackling:

1. Major model releases and/or drains up refresh for global insurers
2. Climate risk modifications
3. Regulatory requirements

Roles

Founder
2025 - Present

Fundsaurus

- Founder and Developer of Fundsaurus.com

Director
2025 - Present

VarianceZero

- Analytics Process & Technology Consultant - Santam S1918

Analytics Process and Technology Consultant
2025

Santam Syndicate

Head of Exposure Management - Consultant
2024 - 2025

The Fidelis Partnership

Head of Exposure Management
2018 - 2024

Atrium Underwriting

Head of Exposure Management
2014 - 2018

Starr Companies

Other Roles

- Chaucer Insurance - Lead Catastrophe Modeller
- Canopius Insurance - Analyst
- Lloyd's - Analyst
- GFI Securities - FX Options
- RBS - FX Options Trading