

Hugh Pyle

Engineering leader in security products and large-scale data platforms, combining deep technical ownership with management of customer-facing teams. I've taken platform products from first architecture through acquisition and scale.

Experience

GENERALBUSINESS.AI (AGENT INFRASTRUCTURE)

JAN 2026 - CURRENT

Side project and research vehicle. Improving AI agent behavior with memory and coordination surfaces. MCP, vector and graph search, distributed virtual machines, Python, Typescript.

RAPID7 / NOETIC CYBER, ACQUIRED JULY 2024 (ATTACK SURFACE MANAGEMENT)

MARCH 2020 - CURRENT

Founding engineer at Noetic, now [Rapid7 Surface Command](#), a highly extensible security graph for attack surface management. I built the [type system](#) and data model, connector framework and [SDK](#), and contribute to all aspects of the platform. Currently I manage the [connector](#) development team (5 direct reports); we developed and support >250 connectors, sourcing >250B data entities across several thousand customers. Python, OpenAPI, agent skills, AgensGraph, Iceberg data lake.

REVERSINGLABS (THREAT INTELLIGENCE)

2019 - 2020

Supported global OEM and enterprise prospects and customers using the industry's most comprehensive file-reputation service. Led the solutions architecture team, consulting to design and implement workflows for threat detection and investigation using high-scale REST APIs, file signatures, YARA rules, and static and dynamic analysis.

IBM SECURITY / RESILIENT SYSTEMS, ACQUIRED APRIL 2016 (SECURITY OPERATIONS & INCIDENT RESPONSE)

2015 - 2019

Built and managed a professional services team (6 direct reports) delivering security incident response, automation and orchestration best practices to SOC's worldwide, consulting on security implementation processes and technical automation integrations.

Product management for platform workflow and extensibility features and [SOAR SDK](#) (still used in an active connector ecosystem).

QREDO (DECENTRALIZED IDENTITY)

2014 - 2015

Managed all software activities at a seed-funded startup building an innovative cloud platform; grew the team to 12 developers. Worked closely with the executive team in seed fundraising, product research and development, and early customer partnerships.

AB INITIO (ENTERPRISE DATA PROCESSING)

2010 - 2014

Forward-deployed engineer building mission-critical applications for very large-scale data processing, data quality and metadata management at enterprise customers, primarily in Big Four banking and insurance. Dataflow graphs, batch and stream processing, operational and warehouse databases.

INGUZ AUDIO (DIGITAL SIGNAL PROCESSING)

2006 - 2012

Open-source side project. Developed the leading room-correction and EQ for Logitech Media Server. FFT convolution and general DSP back-end in C# based on observable streams.

MICROSOFT / GROOVE NETWORKS, ACQ APRIL 2005 / CABEZAL, ACQ JULY 2002 (COLLABORATION TOOLS)

2001 - 2010

PM lead for collaboration and sync features in Microsoft Office 2007 and 2010.

Software architect for Groove integrations, SDKs, and concepts lab.

EARLIER CAREER

Roles in consulting, technical product marketing, and software localization engineering.

Links

[linkedin.com/in/hughpyle](https://www.linkedin.com/in/hughpyle)

github.com/hughpyle (personal)

github.com/samos-hp (Rapid7)

hughpyle.com

Patents

US12355797B2

“System for collecting computer network entity information employing abstract models”

US12120134

“System for automatically discovering, enriching and remediating entities... in a computer network”

US10127264

“Techniques for automated data analysis”

US9684526

“Techniques for configuring a generic program using controls”

US8010487

“Synchronization and collaboration within peer-to-peer and client/server environments”

US8755919

“Pushbutton radio frequency identification tag for media content delivery”