

Hugh Pyle

I like to work with customers to deliver software tools that matter.

Veteran software developer with broad experience including security, large-scale data and ML tools.

Experience

GENERALBUSINESS.AI (AGENT INFRASTRUCTURE) JAN 2026 - CURRENT

Improving AI agent behavior with memory and coordination surfaces. MCP, vector and graph search, distributed networking, Python, Typescript.

RAPID7 / NOETIC CYBER, ACQUIRED JULY 2024 (ATTACK SURFACE MANAGEMENT) MARCH 2020 - CURRENT

[Surface Command](#) (previously Noetic) is a highly extensible security graph that provides a unified and correlated view of security posture, and provides the data foundation for the Rapid7 platform. Founding engineer. I built the [type system](#) and data model, connector framework and [SDK](#), contributed to all aspects of the platform, and currently manage the [connector](#) development team. Python, OpenAPI, agent skills, graph databases, global data lake.

REVERSINGLABS (THREAT INTELLIGENCE) 2019 - 2020

Led the solutions architecture team, consulting with OEM and enterprise prospects and customers 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 delivering security incident response, automation and orchestration best practices to SOCs worldwide.

Product management for platform workflow and extensibility features and [SOAR SDK](#).

QREDO (DECENTRALIZED IDENTITY) 2014 - 2015

Managed all software activities at a seed-funded startup building an innovative cloud platform. Worked closely with the executive team from seed fundraising to early customer acquisition.

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
Developed the leading open-source room-correction and EQ for Logitech Media Server. C# convolution and DSP library based on observable streams; Perl web app.	
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.	
AGORA PROFESSIONAL SERVICES (CONSULTING AND APPLICATION DEVELOPMENT)	1998 - 2001
Led software architecture in a rapidly growing business consultancy.	
NEW INFORMATION PARADIGMS (CONSULTING AND APPLICATION DEVELOPMENT)	1996 - 1998
Product management for new Web content management and publishing applications.	
LOTUS DEVELOPMENT CORPORATION (COLLABORATION TOOLS)	1990 - 1996
Product marketing for Lotus Notes. Localization engineering and tools development, primarily in C++.	

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”