

## EXPERIENCE

### **Quandary Peak Research**, Los Angeles, California

Senior Software Consultant, July 2021 to Present

- Evaluating the software architecture of various products and assessing overall characteristics, strengths and weaknesses
- Analyzing source code to opine on various software characteristics such as scalability, interoperability, security, and extensibility
- Using a suite of tools to programmatically detect the presence of open-source software and potential exposure to problematic open-source licenses and security vulnerabilities
- Interfacing with private equity, VC and other clients as well as executives/technical team from target companies
- Documenting and conveying technical findings to clients in the form of a formal report and/or executive briefing

### **Data Lantern Inc**, Newark, California

Founder, February 2014 to December 2020

- Built a secure data ecosystem for Internet of Things (IoT) to solve data security / privacy, smart device interoperability, and monetization / adoption issues
- Developed a PoC backend to secure smart device data with REST API's
- Led an off-shore team to develop a React-Native based data gathering app for Apple iOS and Android based devices (available on both Apple and Google App Stores)
- Pitched the company's ideas, business model, and execution strategies to investors and partners

### **PeakEquity Partners**, Radnor, Pennsylvania

Consultant, September 2015 to December 2017

- Performed technical due diligence of Security, SaaS, and Enterprise Content Management (ECM) companies for possible investment or acquisition
- Reviewed target company's product architecture, product security, deployment strategies, and support infrastructure for technical and security risk and exposure
- Compared target company's technology stacks and tools against the latest industry standards
- Identified and recommended solutions to investment's potential technical, security, development, quality, deployment, and operational (on-premise / SaaS) issues

### **Sideband Networks**, San Jose, California

Advisor / Product Management, February 2014 to January 2016

- Refocused company's strategy from network management to behavior-based security and risk monitoring using extremely large data analytics
- Authored a high-level PRD of a network anomalies based security appliance for enterprises
- Evaluated engineering process and established an Agile development process (Jira) for both engineering and product management teams

### **Prevalent Inc**, Warren, New Jersey

Consultant / Product Management, June 2014 to August 2015

- Defined the product requirements and workflows of the Vendor Risk Management (VRM) SaaS offering
- Monitor the off-shore development team progress and execution velocity
- Evaluated micro-service architecture of the SaaS backend for scalability

**CA Technologies Inc, Santa Clara, California**

Senior Director, Software Development, November 2010 to February 2014

- Led the ERwin data modeling product development to support extremely large enterprise databases for Fortune 100 companies
- Managed the CA APM development team to develop the first SaaS solution
- Partnered with CA Ops, SaaS Platform team, Product Management, Sales, and 3<sup>rd</sup> Party Security Auditors to deliver the APM SaaS solutions on AWS
- Represented CA to work with key enterprise customers and world-wide user groups to present roadmaps, and address and resolve product issues and concerns
- Presented and updated CA senior executives quarterly on product development, key support issues, and customer satisfaction (NPS)

**Yousendit / HighTail Inc, Campbell, California**

Senior Director, Advanced Products, April 2010 to November 2010

- Formulated product strategies and roadmaps to extend freemium SaaS offering
- Expanded business into China by partnering with CDN (ChinaCache) in China
- Shifted focus from email file exchange to cloud storage and mobile computing platform

**Symantec Corporation, Mountain View, California**

Director, Development, May 2003 to June 2009

- Led the development of Symantec Network Security (IDS/IPS) and Database Security products for very large enterprises
- Mentored and developed leaderships in coding, quality engineering, and product management
- Managed global engineering teams in the US, Pune India, and Bangalore India

**CoSine Communications, Redwood City, California**

Software Manager, February 1999 to May 2003

- Architected, designed, and managed the development of the stateful firewall, H.323, and SIP gateway for the carrier class IPSX network switch with virtualized security services
- Developed a security architecture for the embedded RTOS inside a network switch
- Deployed a secured H.323 based video conference solution in the AT&T network

**Union Bank of California (UBOC), Monterey Park, California**

Network Security Architect, January 1998 to February 1999

- Architected the security perimeters for UBOC's two primary data centers
- Evaluated and implemented encryption of wire transfer processing within the UBOC network
- Represented Information Security to partner with different UBOC business units to identify potential security and risk exposures of new initiatives
- Partnered with UBOC auditors to conduct audits of employee's remote access
- Designed the UBOC's security policies and incident response procedures to comply with Federal banking regulations

**Trusted Information Systems (TIS), Los Angeles, California**

Senior Software Engineer / Consultant, May 1995 to January 1998

- Designed and developed the Oracle SQL\*Net, Microsoft SQL Server, SNMP, and Line Printer application proxies for the Gauntlet Firewall, the first commercial Internet firewall
- Consulted Republic National Bank of New York, American Express, Monsanto, Hughes Aircraft, and US Navy on network and perimeter security

## SKILLS

**Technical:** C, C++, Python, JavaScript, PHP, Java, SQL, MySQL, MongoDB, PostgreSQL, HBase, GraphDB, GraphQL, React-Native, TCP/IP, RTOS (VxWorks), Network Security, hardware appliances

**Tools:** AWS, Ubuntu, iOS, Node, Docker, Git, GitHub, Hadoop, Hive, Jira, IBM RTC, VersionOne

**Management:** Full software lifecycle, Global engineering teams, Offshore / contract engineering teams, Agile product delivery (engineering & product management), Leadership coaching / development, Executive level communications / presentation, Customer requirements and relationship building

## CERTIFICATIONS

### Scrum Alliance

- Certified Scrum Product Owner (CSPO)
- Certified Scrum Master (CSM)

## EDUCATION

**USC – Marshall School of Business**, Los Angeles, California  
Master in Business Administration

**University of Southern California**, Los Angeles, California Master of Sciences in Computer Science

**University of Southern California**, Los Angeles, California  
Bachelor of Sciences in Computer Science

## PUBLICATIONS

“Internet of Things / Internet of Sensor Data”, Dec 2015

<https://datalantern.wordpress.com/2015/12/16/internet-of-things-internet-of-sensordata/>

“A Unified Data Modeler in the World of Big Data”, CA ERWorld 2012.

Slideshare: <http://www.slideshare.net/willluk/a-unified-data-modeler-in-the-worldof-big-data>

“Data Migration and Collaboration in the Cloud”; YouSendIt, Inc; 2010