

## Software Architect/Leader – IT/SaaS/Cloud/Cyber Security/Telecommunications

Enthusiastic, positive, humble minded, always hands-on IT professional with vast commercial experience of delivering technical services across various business sectors, including IT, network security, telecommunications, and cloud computing. Solid track record of leading execution of robust technological business strategies to ensure achievement of exceptional outcomes. Instrumental in spearheading successful implementation of multiple major projects within set timeline and budget and driving enhanced process improvements. Passionate servant leader, dedicated to managing and helping others with growth, conflict resolution, remaining happy, positive and productive.

## Technical Proficiencies

<b>IT systems:</b>	Vulnerability Management and Scanning   IDS/IPS   Firewalls   Anti-Virus   NAC   SIEM   Endpoint Protection Platforms   EDR   Threat Intelligence   Application Security
<b>Programing Languages:</b>	Django   Python   C/C++   Java   PERL   JDBC   PHP   HTML   JavaScript   AJAX   XSLT   XSD   Xerces   Xalan   FOP   XPATH   XQuery   SQL   Tomcat   Apache   SOA
<b>Databases:</b>	Oracle   MySQL   Postgres   SQLite
<b>Architectures:</b>	Service Oriented Architecture   SaaS Systems   Multi-tenant   Multi-Tier
<b>Tools:</b>	AppScan   Acunetix   Veracode   VS Code   Eclipse   Git   Mercurial   CVS   Jira

## Career Experience

### Quandary Peak Research

July 2021 – Present

#### Senior Software Consultant – Technical Due Diligence

Bringing my computer science, software architecture and strong source code implementation knowledge to bear, in serving Quandary Peak clients such as investors, private equity firms, and companies pursuing mergers, acquisitions and other transactions.

- Evaluating software architectures 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.
- Employing suite of tools to programmatically detect and inventory 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 formal reports and/or executive briefings.

Chief Technology Officer

Spearhead, develop and maintain DDI's technology roadmap by teaming up with others – cross functional DDI teams, 3<sup>rd</sup> party technology partners, and most of all, with DDI clients. Oversee, manage, encourage, help DDI's Technology team in emerging and delivering valuable integration solutions between frontline vulnerability management platform and other IT and security technologies.

- Successfully managed, guided, mentored and acted as player/coach with multiple technology teams, including feature development, vulnerability research, and quality assurance team by steering operational efficiency.
- Served as Agile Product Owner for the DDI Technology Integrations team, helping define the team's stories, prioritizing the team's backlog, interfacing with DDI Product Management and the Executive team to ensure effective prioritization of integrations on the roadmap.
- Interfaced and socialized with DDI clients and prospects to understand and negotiate requirements for integrations between DDI's vulnerability management platform, and IT/security solutions thereby helping clients reduce operations spend by 20%.
- Spearheaded vulnerability management gamification idea within the Frontline VM platform which enabled Digital Defense to anonymously compare client risk scored and influenced entire ecosystem to minimize security risk.
- Developed, interacted and worked with legal team, and ultimately attained 3 patents for DDI's vulnerability scanning and management technology.
- Worked side-by-side and contributed to DDI's Marketing arm by serving as key spokesperson for DDI's solutions. Presented on security related topics at many security conferences, including RSA security, ISC2 Security Congress, ISSA International Conference, Many USA BSides Conferences, while highlighting across media and security articles including, Forbes, Fox Business News, CIO review, SoftPedia, and IT World Canada and leading DDI blog website [www.digitaldefense.com](http://www.digitaldefense.com).

Digital Defense Inc., 9000 Tesoro Drive, San Antonio, TX

2006 – 2010

Vice President Platform Development

Partnered, managed, guided and mentored large team of developers to develop security features for frontline vulnerability management platform as well as engaged with clients and internal stakeholders to consolidate feature requirements, set priorities and meet expectations.

- Served, managed and mentored a large team of software developers, vulnerability researchers, and QA team members in the development, delivery and ongoing maintenance of DDI's products.
- Spearheaded deployment of key DDI frontline features, including application-level encryption of cloud data, requiring expert familiarity with symmetric and asymmetric encryption.
- Oversaw maintenance and execution of relational data architecture model for all vulnerability management software features.
- Developed security features for SaaS based Frontline platform by directing DDI development organization.

Digital Defense Inc., 9000 Tesoro Drive, San Antonio, TX

2002 – 2006

Principal, Software Architect

Led a team of 4 engineers in architecting, designing and deploying the company's multi-tenant SaaS-based patented in-house vulnerability management platform. Acted as team's primary data architect, as well primed the Java based business logic layer.

Alcatel USA, Plano, TX

1996 – 2002

Sr. Software Engineer and Team Lead, Alcatel USA, Plano, TX

Led team of engineers designing and implementing internal in-memory database for Alcatel VoIP Softswitch product.

Worked on Call Processing and platform features for Alcatel/DSC switching group. Included design and implementation for call processing features involving SS7 protocols as well as call-state software design. Worked on features such as Local Number Portability, Calling Card features, and more.

## Education & Credentials

Bachelor of Electrical Engineering - *Computer Engineering*

McGill University, Montreal, Canada

## Certification

CISSP (Certified Information Systems Security Professional)

## Awards

Awarded Three Patents for Vulnerability Scanning and Management | Distinguished Fellow Ponemon Institute

## Fun and Growth

Cooking Keto-Friendly recipes | Meditation & Spiritual Growth | Helping the Elderly | Star Trek | Marathon Running