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Top Skills

Artificial Intelligence for Business
Policy Development
Data Governance

Languages

Sign Languages
Thai
Indonesian
Malay

Daniel Walls

Senior Security Engineer
Greater Phoenix Area

Summary

As a seasoned software professional and developer with over 25 years of experience, I have a diverse skillset that spans mobile development (iOS and Android), data system architecture, ETL process design, Big Data, SQL, Perl and Shell scripting, networking infrastructure, and cloud-based applications and distributed computing. I have a proven track record of designing, documenting, and implementing complex data-centric web and mobile applications for scalability and high availability, and have developed solutions for small to mid-sized businesses as well as Fortune 500 enterprises.

In addition to my technical expertise, I have extensive experience in security protocol planning and proactive penetration testing, with a strong understanding of compliance standards such as FEDRAMP, STATERAMP, NIST 800, HIPAA, and the Government Cloud. I am skilled at communicating technical constraints and issues to both upper management and clients, and frequently serve as a bridge between upper management and development teams.

I have a strong background in spearheading software operations and have a history of maintaining productive and mutually beneficial relationships between software functions, senior leadership teams, internal customers, and outsourced mobile partners. My specialties include full stack development, system architecture, security and compliance, data management, customer relationship management, FEDRAMP, data governance, enterprise data, data models and most recently Artificial Intelligence and based LLMs solutions.

Experience

Arizona Department of Economic Security
1 year 11 months

Senior Security Engineer
June 2023 - Present (10 months)

Phoenix, Arizona, United States

Senior Security Engineer at the Arizona Department of Economic Security, specializing in the development and implementation of robust security policies and procedures. Currently leading initiatives to align AI deployment across the agency with government standards, ensuring secure, ethical, and efficient integration of artificial intelligence into our operations.

Sr Security Analyst

May 2022 - June 2023 (1 year 2 months)

Phoenix, Arizona, United States

Served as a Senior Security Analyst for the state of Arizona, where I specialize in security architecture and compliance review and analysis. My expertise includes a deep understanding of various governmental standards such as FEDRAMP, STATERAMP, NIST 800-X, and HIPPA, as well as the ability to effectively communicate technical constraints and issues to both upper management and clients. Additionally, I am highly skilled in mobile(iOS & Android), data system architecture, ETL process design, Big Data, SQL, Perl, and Shell scripting, networking infrastructure and cloud-based applications and distributed computing. Furthermore, I am particularly interested in using AI to create more equitable work environments while increasing productivity and security, that's why I am seeking opportunities to expand my knowledge in this field.

Remote Tracking Systems, Inc

System Architect

August 2021 - May 2022 (10 months)

Phoenix

Application Modernization including the architecture and design of a cloud native platform leveraging node clusters and Kubernetes to achieve the redundancy and high availability requirements of the Auto motive Industry testing and safety processes.

HCXperience Inc.

CTO

November 2017 - December 2021 (4 years 2 months)

Harrisburg, Pennsylvania Area

As the CTO and lead systems architect for HCXP Solutions, I have been fortunate to have had the opportunity to work closely with clients, both remotely and on-site, in the development of iOS and Android apps for the Health Care Industry. My main objective was to fully understand the business processes that were crucial for smooth operation, and to leverage existing and custom

technologies and connectors to design systems that align with the needs and budgets of small to mid-sized businesses transitioning to the enterprise.

Optimal Reach Media | www.optimalreachmedia.com

Chief Operating Officer

2016 - December 2021 (5 years)

Gibsonia, PA

Optimal Reach Media is a strategic marketing and design firm with a wide variety of experience and expertise in marketing and technology. We strategically target your ideal market and develop a comprehensive strategic plan.

As the Chief Operating Officer at Optimal Reach Media, I came on board to facilitate under-performing processes and operations through strategic designing, advertisement and expansion of market share, in order to meet or exceed organizational goals.

Pennsylvania Medical Cannabis Society

Director of Operations

May 2016 - September 2018 (2 years 5 months)

Gibsonia, PA

As Director of Operations, I was responsible for overseeing all technical and practical aspects of coordinating efforts, advisors, and events to assist the Pennsylvania Department of Health in releasing the guidelines for their Medical Cannabis Program. My role involved managing software and security systems technical evaluations, as well as purchase and contract negotiation under very tight timelines, while ensuring compliance with various health and safety standards.

In this role, I was a key player in the organization's goal of providing a platform comprising of cultivators, processors, dispensaries, testing laboratories, patients, and medical professionals committed to advancing the quality and efficacy of patient care, ethical business practices, and advocacy to assist the Department of Health. My work on this project was so well-regarded that several news media channels regularly approached us for statements, which I would then need to redirect to the correct governmental channel. My experience with and understanding of compliance laws and regulations in the healthcare industry helped me to navigate the complex compliance landscape of the Medical Cannabis Program.

Independent Consulting

Consultant

February 2015 - May 2016 (1 year 4 months)

With an in-depth knowledge in IT services and business acumen, I independently offered contract services which included; load consisted largely of data systems performance enhancement consulting and data infrastructure. I was also contracted for other business services such as contract writing and negotiation, business plan formulation, budget planning and recruitment.

Data Stream

Data Systems Architect

October 2012 - February 2015 (2 years 5 months)

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As a Data Systems Architect, I led the design, creation, deployment, and management of the organization's data architecture. In this role, I also acted as a Project Manager for an offshore team of developers based in India. Some of my key accomplishments include:

Designing and implementing a highly optimized Big Data search and daily ETL process system

Redesigning the organization's entire network infrastructure, security, and intrusion detection, and server virtualization

Managing multiple IT projects while effectively communicating with non-native English speakers

Coordinating project activities involving system users and IT development staff in alignment with datamart requirements

Skills: Data Architecture, Project Management, Big Data, ETL, Network Infrastructure, Information Security Management.

Webbula

Chief Technology Officer

May 2009 - October 2011 (2 years 6 months)

As Chief Technology Officer at Webbula, a data-centric, technology-driven company, I had the opportunity to lead the design and implementation of large-scale SEO, social media, and email marketing in-house systems for a worldwide leader in the email hygiene industry. Webbula provides email hygiene and data solutions to Fortune 500 companies and founded in 2009, with headquarters in Pittsburgh, with offices in Los Angeles, CA, Atlanta, GA and Austin, TX.

Some of my key accomplishments in this role include:

Implemented platform selection, ROI analysis, and design and implementation of unified cross-platform reporting solutions

Led network planning and architecture, designing and implementing security procedures, and ensuring RFC compliance (RFC 821/5321), DNS (DKIM, SPF), and documentation of process and procedure by technical team

Integrated StrongMail's Strong Delivery platform and developed custom mail routing and customer targeting solutions

Facilitated creative consulting and development of automated procedures to address deliverability concerns by integration with Return Path, CloudMark, and design of custom tools, reporting platforms and procedures

Skills: Technical Leadership, Data-Driven Solutions, Email Marketing, Social Media Marketing, Search Engine Optimization (SEO), Network Infrastructure, Security, Compliance, Regulatory Compliance, FedRAMP

Touchpoint Data Solutions Inc

Chief Technology Officer

July 2005 - January 2009 (3 years 7 months)

As a Chief Technology Officer at TouchPoint Data, I worked closely with Experian to deliver corporate solutions for large-scale, data-driven email marketing campaigns. My responsibilities in this role included:

Leading client presentations, documentation and implementation of security process and procedure

Implementing data hygiene, creative consulting, and technical consulting to address DNS and compliance issues related to emerging standards and best practices for both corporate and government clients

Accelerating the implementation of Reputation Management procedures and providing client education to improve deliverability and response by leveraging Experian's consumer data and internal processes to reduce response time and strengthen relationships with large ISPs.

Skills: Data-Driven Solutions, Email Marketing, Security, Compliance, Regulatory Compliance, FedRAMP, Information Security Management, Technical Leadership

Internet Marketing and IT Security Consulting

Independent Contractor

2001 - 2005 (4 years)

- Masterminded project planning and management for compliance and the implementation of the 2003 Can-Spam act.
- Executed the designing, training and implementation of an end-to-end desktop loan origination system based on the Microsoft Great Plains system (XML / Database Architecture / workflow management system).
- Fostered commercial and custom implementations of Data Loss, prevention solutions and performance email marketing for existing clients as well as prospect B2B and B2B email marketing campaigns.
- Administered network architecture and engineering (CISCO/Juniper), firewalls and load balancing. • Implemented VoIP integrations and security procedures and process to mitigate data loss.
- Focused consultancy to blending targeted data and proper implementation of the evolving SMTP and DNS standards to achieve compliance and address security concerns.

Custom POS (Foxpro 2.6)

Project lead

April 1994 - April 1997 (3 years 1 month)

As Project Lead from 1994 to 1997, I was responsible for overseeing the implementation of projects and ensuring they were completed on time. My work involved coordinating project teams, tracking progress, and managing budgets. This was my first enterprise role and provided me with valuable exposure to legacy technology, skills and insights that I have been able to utilize throughout my career.

Key Accomplishments:

Facilitated the development and support of a custom warehouse management and ordering system, including client ordering software for automated order processing, prior to widespread internet adoption for order transfers via modem.

Led the design and implementation of an international distributed reporting system (Visual Basic / C++) including installation on non-English versions of windows, prior to the adoption of Unicode standard, requiring complex Install shield and browser integration.

Skills: Project Management, Team Coordination, Budget Management, Legacy Technology.

Education

Sawang Kaniwat (Bangkok)

BS, Computer Science · (1994 - 1998)