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**Chief Technology Officer Profile**

IT leader with deep technical and business acumen focused on department through corporate strategic alignment. Demonstrable and salient experience with enterprise hardware, security, operations, procurement, budgets, and application development. Expertise directing agile development in open source environments, as well as .Net environments. Career history of conceptualizing and executing change initiatives, demonstrating a pioneering and innovative industry-leading spirit. Adroit practitioner of secure software and system designs across a range of PaaS, SaaS, web, and mobile applications. Produced over fifty technical white-papers with the recommended best course of action approaches. Briefed business executives on corporate IT proposals and strategic initiatives to increase productivity and revenue, while minimizing waste and loss.

Highlights of Expertise

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| * Decision Making & Strategy * Leadership * Communication * Relationship Building * Innovation | * Teambuilding and Coaching * Software DEV * System, App, & Network Security * Cost cutting and Efficiency * Regulatory Compliance | * Systems Engineering * Business Fiscal Alignment * Enterprise Hardware * Cloud: AWS, Google, Azure * Native Mobile DEV |

**Career Experience**

Nanthealth Inc., Panama City, Florida

**SENIOR DIRECTOR / SOFTWARE & SYSTEMS ENGINEERING** (2014 – 2019)

Built a top-tier product: In doing so, I grew and led a 50-person engineering group consisting of multiple departments, including systems engineering, security specialists, product, quality assurance, and software scrum teams. Defined technical strategy, assessed risk, drove compliance, and oversaw disaster recovery strategy. Monitored and proactively addressed security events to minimize the impact of malicious activity on resources, applications, and business service delivery. Constructed TOGAF models, led architecture discourse, and made decisions in the absence of chief architect.

* Over the course of my tenure as part of the executive management working group, we grew the connected care business from 14 million to 73 million, over a 421% increase in five years.
* Produced a strategic proposal, white paper, and objective evidence to demonstrate moving most of our applications to a SaaS model vs. PaaS model (NantCloud®) would result in a 20% cost savings based on licensing and support costs alone.
* Launched an industry-first cloud stack for the cloud-based pill bottle, “Vitality,” setting a new standard in cloud healthcare applications. Using CoreOS with Docker, Kubernetes, Spring Boot Microservices, Spring Cloud Netflix stack, Keycloak (OATH2), amongst other technologies the stack achieved four-nines uptime over a 4-year period.
* Implemented high-impact cost-cutting strategies, including eliminating platform licensing costs by converting a license-based DevOps platform to open source model.
* Deployed Security and Performance Working Group to investigate incidents and implement preemptive measures to mitigate Common Vulnerabilities and Exposures (CVE) and zero-day threats.
* Led and defined the quality management program for software and systems engineering in support of the Food and Drug Agency (FDA) mandated regulatory strategy.
* Led USA Based and international teams, coordinated and maintaining tight coupling between sites.

ISS, Inc., Hampton, Virginia

**DIRECTOR / SOFTWARE AND SYSTEMS ENGINEERING** (2007 – 2013)

Led a 150-person engineering team in delivering on-time, on-budget application development. Ensured DoD compliance overseeing automated build, deployment, and integration processes in scrum agile development methodology.

* Oversaw development of incident reporting system and core enterprise platform for the US and coalition forces in Iraq and Afghanistan, improving performance, scalability, and security in services-based operations.
* Created DoDs first HTML 5 mobile web application allowing incident capture, geospatial reporting on secure mobile and tablet devices.
* Defined and implemented process controls to facilitate sensitive information flow from unclassified to top secret within a controlled security environment through a multi-level database replication system.
* Implemented zero-loss data replication model for low bandwidth, high-latency environment to enable secure data exchange between Iraq and Afghanistan back to Washington, DC.

SAIC, INC., Hampton, Virginia

**CHIEF ARCHITECT / ENGINEERING** (2005 – 2007)

Programmed in a broad range of environments and languages, including open source and Microsoft SPS. Designed and oversaw hardware platform performance and upgrades including the deployment of multiple Ubuntu servers for SAHANA Disaster Management System, a LAMP stack in support of NATO humanitarian relief operations.

* Developed a Custom Document Handling System for NATO and briefed ambassador-level, senior civilian, and military officers as NATO members on experimentation efforts.
* Produced technical white papers and complex engineering documents on topics related to net-centric knowledge management.
* Co-authored a shared situational awareness and Future Civil-Military Cooperation (FCMC) Brief.

Computer Sciences Corp. (CSC), Hampton, Virginia

**SENIOR SYSTEMS ENGINEER** (2003 – 2005)

Planned, coordinated, and supervised the operational workflow of over 300 Joint Warrior Interoperability Demonstrations (JWID) for the period I was involved. Involved directly working with all vendors/demos to ensure the interoperability led to a system of systems capstone. This benefited coalition operations for rapid adoption and use in Afghanistan, Iraq, and Balkans.

Northrup Grumman Corporation, Newport News, Virginia

**APPLICATION PROGRAMMER** (2000-2003)

Application programmer in Microsoft Visual Basic, VBA, SQL, Java, and C. Responsible for converting Cobol and Fortran applications over to next generation 3GL/4GL languages.

Additional Experience

**Information Warfare Officer** ▪ US Navy Reserve, Jacksonville, Florida

Specializing in Cyber-Security, Systems Operations, Analysis, Counter Intelligence, and FI collection for NCIS LE operations.

**Education & Credentials**

Naval Postgraduate School (2019)

**OPERATIONAL LEADERSHIP MASTERS STUDIES**

Virginia Polytechnic Institute and State University, Blacksburg, Virginia (2013)

**MASTER OF SCIENCE, INFORMATION TECHNOLOGY**

*Computer Security & Forensics Certificate*

Saint Leo University, Saint Leo, Florida

**BACHELOR OF SCIENCE, COMPUTER INFORMATION SYSTEMS**