Todd Henry, MSIT

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SUMMARY

- **25** Years of Information Technology experience

- **19** Years of Software or Systems Engineering experience

- **12** Years of Senior IT Leadership

- **12** Years of direct involvement in Product Management and Software Development Life Cycle (SDLC)

- **10** Years of Infrastructure and Application Security experience

- **7** Years of AWS, Google or Azure Cloud experience

- **Will relocate anywhere in coastal Florida**

EDUCATION

Virginia Polytechnic Institute and State University (2013) (Virginia Tech)
Blacksburg, VA
M.S. in Information Technology (MSIT)

Saint Leo University (2003)
Saint Leo, FL
B.S. in Computer Information Systems

SECURITY CLEARANCE
Top Secret (SCI) – Active

MILITARY SERVICE
Joined US Navy enlisted in 1993, left active duty late 1999.

- **25** Years Military Service Total
  15 Years **Leadership** experience as a **US Navy Information Warfare Officer**

WORK EXPERIENCE

NANTHEALTH INC.   January 2014 – 2019
Sr. Director Software and Systems Engineering

Built multiple top-tier product solutions: 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.

- Managed a Software and Systems budget in excess of 5 million dollars for Engineering for R&D and 1.5 million in capital expenditures

- Produced a strategic proposal, white paper, and objective evidence to demonstrate moving most of our applications to a SaaS model vs. PaaS model would result in a 20% cost savings based on licensing and support costs alone.

- One of many successful products, we launched an industry-first cloud stack for the cloud-based application, setting a new standard in cloud healthcare applications. Using CoreOS with Docker and Kubernetes platform, coupled with Java and Spring Boot microservices, Spring Cloud Netflix stack, Keycloak (OATH2), the stack achieved four-nine's uptime over a 4-year period in an active-active model.

- Implemented high-impact cost-cutting strategies, including eliminating platform licensing costs by converting a license-based DevOps platform to open source model.

- Planned, organize and direct the Systems Engineering and DevOps teams with regard to product support requirements, the CI/CD cycle, and key internal IT systems for product success.

- Security Focused; 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) Quality Management System (QMS).

- Led USA Based and international teams, coordinated and maintaining tight coupling between sites. Ireland and India based offshore teams.

- Drafted security and software policy and standards, as well as quality assurance policy and standards.

- In-depth knowledge of data and communication continuity using various data models to achieve high reliability.

- Provides status to Executive Leadership, Management and Customers as appropriate on assigned projects, tasks, project issues via written or oral reports.

- Key Stakeholder in IT Steering Committee and provides IT feedback and guidance as appropriate.

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WORK EXPERIENCE Continued

INTELLIGENT SOFTWARE SOLUTIONS INC.   August 2007 – October 2013
Director, Software and Systems Engineering

Led a 150-person engineering team in delivering on-time, on-budget application development for AFRL and US CENTCOM. Ensured DOD compliance overseeing automated build, deployment, and integration processes in scrum agile SDLC environment.

- 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. Largely written in ColdFusion with a MS SQL backend, I directed the evolution and migration to Java, JavaScript and MySQL backend utilizing an ESB services layer.
- Created the Department of Defense's first HTML 5 mobile web application allowing incident capture and 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.

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION (SAIC)   May 2005 – August 2007
Senior Systems Engineer (SAIC), serving as, NATO-ACT Chief Architect for Experimentation

Designed and oversaw software and 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. Programmed ASP.net for Microsoft SPS, and for SAHANA utilized PHP, JavaScript, and other open source languages and frameworks.

- 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 White paper (FCMC/FCLOE).

COMPUTER SCIENCES CORPORATION (CSC)   May 2003 – May 2005
Senior Systems Engineer for the Joint Chiefs of Staff (DOD)

- Experienced IT practitioner, network, Windows and Linux administration, hardware administration and configuration, reliability planning, and security requirements.
- Planned, coordinated, and supervised the operational workflow of over 300 Technical Demonstrations. This led to rapid adoption and use in Afghanistan, Iraq, and Balkans.
- Developed a small VB.NET with SQL backend application to help manage the demonstrations.

NORTHROP GRUMMAN CORPORATION (NGC)   January 2000 – April 2003
Systems Analyst, Application Programmer

- Using a waterfall model approach on a three person development team, we gathered requirements from the mechanical and electrical engineering teams as our internal clients, we then designed and built on a supply chain engineering application and inventory management tracking system using Visual Basic and migrating to VB.NET later in 2002.
- Assisted with the migration from COBOL and FORTRAN based systems to more modern systems like SAP software, gathering requirements, writing the technical implementation of the requirements, and then helping to build the customizations in the SAP workflow.
- Worked hand-in-hand with corporate infrastructure NGC team to set requirements for physical hardware needs, largely before the VM environments of the modern application infrastructure or cloud is based on today. In this capacity learned quite a bit through hands on with server administration and configuration, along with network and OS administration.