JONATHAN R. SANDERS

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INFORMATION SYSTEM SECURITY ENGINEER – SOFTWARE ENGINEER – IT SECURITY

Dedicated Information System Security Engineer with a comprehensive background in software and systems engineering, adept at navigating the intersection of technology and security. Proven expertise in designing, implementing, and maintaining secure information systems. Proficient in a wide array of programming languages, including C#, VB, C++, and Java, with a deep understanding of .NET, HTML/CSS, and various design patterns. Skilled in Software as a Service (SaaS), data structures, Agile development, and requirements engineering. Experienced in SQL Server, MVC, Entity FW/LINO, Visual Studio, and network administration on Windows Server/IIS. Well-versed in modern technologies such as Kubernetes, Docker, React.js, and cloudnative micro-services.

EDUCATION:

CompTIA A+	New Horizons	Orlando, FL	2023
CompTIA Network+	New Horizons	Orlando, FL	2023
CompTIA Security+	New Horizons	Orlando, FL	2023
CompTIA CySA+	New Horizons	Orlando, FL	2024
Master of Engineering – Software	University of Colorado	Colorado Springs, CO	2018
Engineering BS in Organizational Management in	Colorado Christian University	Lakewood, CO	2010
Christian Leadership		Colorado Springs, CO	2008
AA in Electronics Technology & Marine	University of Phoenix		
Sciences			

TECHNICAL COMPETENCIES:

C#/VB/C++/Java | Software as a Service | SQL Server | Network Administration | Software Design | React.js | .NET | Data Structures | MVC | Windows Server, IIS | Automated Testing | Ruby on Rails | Linux/Unix | HTML/CSS | Agile Development | Entity FW/LINO | Bootstrap | Kube | Java | Spring Boot | Maven | BDD/TDD | Design Patterns | Requirements Engineering | Visual Studio | Service Oriented Architecture | Cloud Native Microservices | RMF |

PROFESSIONAL EXPERIENCE:

Owner, Software & Systems Engineer **BizeTech**, LLC Destin, FL 2019 - Present Primary Duty: Current Owner Bizetech, LLC. Master Integrator. Contractor for: software and systems engineering, corporate culture, business structure, and sales strategy development.

- Engineered customizations and implemented various ERP systems using COTS Software.
- Developed custom accounting software and integrations with SAAS solutions in C# consuming data from various sources and migrated to new ERP format.
- Developed custom search algorithms for Windows OS that searched contents of hundreds of thousands of varying doc types hundreds of times faster than windows search utility in C#.
- Developed custom modeling software in C#.
- Developed basic mapping grid overlay prototype to speed up search and rescue activities for USCG Station Destin in Vanilla HTML and JavaScript.
- Bare-Boat Designated Master. Feed Indonesia Director. Really Good Dark Roast Coffee Owner (fun side gig).
- Stayed abreast of emerging technologies including Kubernetes, Docker, and React JS.

Systems Engineer 2

- Colorado Springs, CO/Huntsville, AL Primary Duties: Information System Security Manager (ISSM) for Huntsville office. RMF Compliance. Network Admin. Developer for Tactical Programming Language.
- Built scalable software tools using Python for analysts for the development of wartime models and simulations and built simulations and models using SEAS modeling engine / Tactical Programming Language. Generated automated tests for scripts.
- Quickly learned new scripting language TPL and AFSIM modeling software.

ExoAnalytic Solutions

- Team leads for integration between modeling software packages AFSIM and SEAS. Evaluated two existing systems and engineered protocol conversion API to link legacy system (SEAS) with newer AFSIM.
- Implemented GIT repository on classified network and found compromise on classified system.
- Generated documentation on everything I did for end user and future dev consumption.

2018 - 2019

Software Developer

Springs Technology, Inc.

- Primary Duty: New development on Google Scripting utilizing Google Sheets calling various APIs and performing different data transformations in the code.
- Received weekly requirements from client, generated cost estimates, and implemented iterations. Updated client and supervisor as projects evolved.
- Evaluated design patterns for JavaScripting and implemented more efficient patterns as necessary after discussion with supervisor.
- Corrected legacy sheets' scripting and updated API calls from SOAP to REST.

Jobson Interactive

- Generated IEEE standard Software Specification Document for client on a new software project.
- Part time job during grad school.

Software Developer

Colorado Springs, CO

- Primary Duties: designed, implemented, and maintained websites for eyeglasses industry utilizing C#, MVC.NET, design patterns, AJAX, JSON, and various Java Script libraries on legacy sites and for new projects.
- B2B Site for large eyeglasses manufacturers to sell to retailers nationwide.
- Quickly learned and maintained legacy systems and current systems going from C# web forms using vanilla SQL to MVC C# .NET using entity framework and added new development to MVC sites.
- Developed data migration tool to convert legacy data to new database schema/file system.
- Worked with various departments and integrated a QA process where none existed. Developed numerous automated tests at the unit, regression, and integration / functional levels.
- Kept project manager and management up to date using MS Project.
- Maintained legacy code and new projects in Subversion Source Code Repository.
- Updated software requirements and design documents as new features were implemented.
- Maintained backlog of various projects including low priority bugs, new features, and Change Requests.
- Prioritized daily activities per project management needs and maintenance needs.

AlphaPlex Inc.

• The position lasted only 10 months because the company restructured and offshored development work; I returned to grad school full time.

Software Developer

Colorado Springs, CO 2014 – 2016

- Primary Duty: Web Customizations Worked with multiple stakeholders using customized agile methodology to elicit requirements for customizations for data driven SaaS applications.
- Implemented customizations into legacy code using VB.NET, ASP.NET, Java Script (JQUERY, AJAX) HTML5, CSS, Boot Strap, SQL, Object Oriented Programming, and more. Transitioned 6 product lines to responsive Boot Strap.
- Bug repairs (legacy and new code), project management (for site customizations from new requirements elicitation to delivery), sales, and quality assurance (develop test suites and execute tests).
- Generated data migration tools for customer's legacy sites from MS Access to new T-SQL database.

IT Intern Colorado Technical University Work Study Colorado Springs, CO 2013 – 2014

- Tutored students in HTML5, CSS, C++, Linux, data structures, discrete math, algebra, homeland security, organizational management, and APA formatting.
- Assisted with all high school IT duties including network administration, network automation, and computer builds / rebuilds.
- Maintained network, assisted students, completed various projects i.e. camera and recording device installations for school buses.

ADDITIONAL RELEVANT EXPERIENCE:

- Software Quality Assurance Technician | Bold Technologies Ltd Colorado Springs, CO | 2008 2013
- Electronics Technician Second Class and Marine Science Technician Second Class | USCG | 2001 2009

2017 - 2018

Colorado Springs, CO

2016 - 2017