

## SUMMARY OF QUALIFICATIONS

**Full stack developer** – 18+ years of client, server, database, and API development deployed to cloud platforms

**Proven leadership** – experience leading teams in an agile software lifecycle to deliver enterprise solutions

**Active security clearance** – TS/SCI, reinvestigation completed June, 2017; CI completed September, 2017

## PROFESSIONAL EXPERIENCE

SPECIALIST LEADER, APPLIED AI December 2021 to Present  
**Deloitte**, *Washington, DC*

- Technical lead managing platform engineering and software development for Trustworthy AI Pipeline MLOps platform

CYBER WARFARE OPERATOR August 2017 to Present  
**Delaware Air National Guard**, *New Castle, DE*

- Red Team Lead for Tacet Venari training event at United States Air Forces Europe – Air Forces Africa

VICE PRESIDENT, SOFTWARE ENGINEERING February 2017 to December 2021  
**Ephemerai**, *Washington, DC*

- Served as member of the executive leadership team driving innovation and software development efforts

SENIOR SOFTWARE SUBJECT MATTER EXPERT August 2015 to August 2021  
**Novetta**, *Fort Washington, MD & Arlington, VA*

- Designed and developed next-gen Base Defense Operations platform for United States Air Force using Node, React, MobX-State-Tree, Chakra UI, PostgreSQL, Mapbox/MapLibre
- Developed big-data web application in support of Air Force Information System Security Office (ISSO) using Django, AngularJS, D3, PostgreSQL, Elasticsearch, Leaflet, and AWS; Lead migration to ReactJS and GraphQL
- Developed facial detection and recognition rapid prototype for internal R&D project using Node, Meteor, D3, MongoDB, Python, and OpenCV

PRINCIPAL SOFTWARE ENGINEER November 2013 to August 2015  
**Global Risk Advisors**, *Washington, DC, New York, NY & San Francisco, CA*

- Developed secure web portal for executive clients allowing remote access to intelligence briefs and sensitive documents using PHP, HTML, JavaScript, D3, CSS, and MySQL

LEAD SOFTWARE ENGINEER November 2011 to November 2013  
**International Business Machines**, *Pentagon, Washington, DC & ISAF HQ, Kabul, Afghanistan*

- Designed and developed Intelligence, Surveillance, and Reconnaissance (ISR) data mart, aggregating data from multiple DoD sources in support of Office of the Undersecretary of Defense for Intelligence (OUSDI)
- Rapidly developed and deployed web applications to collect survey data from U.S. Forces – Afghanistan and briefed analytic findings to senior United States decision makers

SYSTEMS SOFTWARE ENGINEER March 2004 to November 2011  
**United States Air Force**, *Tinker AFB, OK & White House Communications Agency, Washington, DC*

- Developed the first web based mission planning and tracking system for Presidential Airlift Group (PAG) ensuring integrity of data and increased communication for all Presidential air travel missions using ASP .NET, C#, HTML, JavaScript, CSS, and MySQL

## EDUCATION & TRAINING

USAF Computer Systems Programming Course, USAF Cyber Warfare Operations Course

SANS SEC542: Web App Penetration Testing and Ethical Hacking Certification, CompTIA Security+