

**Jesse Florig**

**VP, Software Engineering**

**Washington, DC**

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## SUMMARY OF QUALIFICATIONS

**Full stack developer** – 20+ years of on-prem and cloud native client, server, database, and API development

**Proven leadership** – experience leading teams in an agile software lifecycle to deliver mission critical 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 of Trustworthy AI Pipelines for AI/ML and GenAI
- Inner-source Community Lead for Deloitte MLOps platform engineering efforts

CYBER WARFARE OPERATOR

August 2017 to Present

**Delaware Air National Guard**, *New Castle, DE*

- Technical Director for TACET VENARI training event at United States Air Forces Europe – Air Forces Africa
- Developed and deployed multiple training mission systems using Node, React, Chakra UI, web-sockets, and Python
- Red Team Operator using Metasploit and Cobalt Strike in support of BLACK DEMON, EMERALD WARRIOR, TACET VENARI

CO-FOUNDER & VICE PRESIDENT, SOFTWARE ENGINEERING

February 2017 to December 2021

**Ephemerai**, *Washington, DC*

- Served as executive leadership driving innovation and software development of MLOps and Data Science Workbench platform
- Coordinated negotiations and integration strategies, culminating in the successful acquisition of Ephemerai by Deloitte

SENIOR SOFTWARE SUBJECT MATTER EXPERT

August 2015 to August 2021

**Novetta**, *Fort Washington, MD & Arlington, VA*

- 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 research and development 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 application 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 (OUSD-I)
- 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+ Certification