

# JESSE FLORIG

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## SOFTWARE ENGINEER

### SUMMARY OF QUALIFICATIONS

- **Full stack developer** – 13+ years of client, server, database, and API design and development
- **Web technology enthusiast** – active consumer and contributor to modern open-source projects and forums
- **Proven leadership** – experience leading teams in an agile software development life cycle
- **Military service** – served eight years honorably in the United States Air Force; Currently serving in the AFRC
- **Active security clearance** – TS/SCI, periodic reinvestigation completed June, 2017
- **Multi-Agency SBI and polygraph** – CI polygraph completed September, 2017; Lifestyle polygraph suitable

### PROFESSIONAL EXPERIENCE

#### SENIOR SOFTWARE SUBJECT MATTER EXPERT

August 2015 to Present

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

- Developed enterprise applications in support of Counterterrorism Division, Federal Bureau of Investigation (FBI) using Node, Babel, Webpack, Angular 2, SASS, MongoDB
- Developed big-data web application in support of Air Force Information System Security Office (ISSO) using Django, AngularJS, D3, Stylus, PostgreSQL, Elasticsearch, MapLarge, and Leaflet
- Developed facial detection and recognition rapid prototype for internal R&D project using Node, Meteor, D3, MongoDB, Python, and OpenCV
- Lead division-wide effort to integrate ReactJS and GraphQL into existing products

#### 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
- Developed and maintained brand websites, ensuring high-availability through Amazon Web Services (AWS)

#### 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 and present survey data from U.S. Forces – Afghanistan and briefed analytic findings to senior United States decision makers
- Developed and maintained custom Microsoft Office and Python tools for data ETL, KML parsing and generation

#### SYSTEMS SOFTWARE ENGINEER

March 2004 to November 2011

**United States Air Force**, Tinker AFB, OK & Washington, DC

- Developed and maintained personnel, finance and travel enterprise applications for White House Military Office (WHMO) and United States Secret Service (USSS) using ASP .NET, C#, HTML, JavaScript, CSS, and MySQL
- Developed the first web based mission planning and tracking system for Presidential Airlift Group (PAG) vastly improving Presidential air travel missions using ASP .NET, C#, HTML, JavaScript, CSS, and MySQL
- Guaranteed high-availability of Presidential information systems for White House Communications Agency (WHCA) by implementing and testing disaster recovery capabilities for all core software systems
- Pioneered automated regression testing for the 552d Communications Squadron supporting the Airborne Warning and Control System (AWACS) platform