

Matthew Thompson

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[LinkedIn](#) | [Github](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Over 10 years experience on multiple Intelligence, Surveillance and Reconnaissance (ISR) programs CONUS/OCONUS in management, technical, and software development capacities. Prior experience integrating and utilizing various operating systems, C4ISR and Unmanned Aerial Systems (UAS) platforms, applications, databases, and managing personnel. In addition I am an US Army veteran with a background in Signal.

TECHNICAL SKILLS

Node.js, Express, JavaScript, jQuery, React.js, React Native, GIT, Github, MongoDB, MySQL, Ruby, Python, C#, Java, HTML, CSS, Bootstrap, Media Queries, APIs, JSON, REST, AJAX, command line, computer science fundamentals, writing tests, Creo CAD, SolidWorks, WindChill.

PROJECTS

ASADI (A-ISR Situational Awareness Database Intelligence) Creator and Lead Developer

- Multi-role Airborne-ISR operations real-time asset database
- Worked with team of 4 developers
- Created CONOPS, application requirements, designed role dependent user interfaces, and database architecture
- Built with Javascript, Firebase, JQuery ,Node.JS, MongoDB, Electron.js, Express.js, Chart.js

Piedmont Park Virtual Tour (Explore) Back-End Team [Live app](#)

- An app created with the Piedmont Park Conservatory and #Greenpacehack to allow visitors to Piedmont Park to interact with virtual tour of the park
- As a part of the Backend development team, built Geofencing database responding to incoming Geo-location data.
- Developed with Google Geofencing, Geolocation; MongoDB, Javascript ES6.

Mentor Match- Learn2Code Back-End Team [Live app](#)

- An Application designed to match experienced developers with novice developers within a social network setting.
- Developed with MongoDB, Express, React.js, Node.js Autho
- Worked as Back-End developer. Setup routes to server, and database instances..

EXPERIENCE

Senior Technical Operations Manager//PSS-T Program Technical SME

Apr2016-Present

TASM LLC; PD Aerostat; Fairfax, VA

- Develop ISR technical packages for TaSM Program Management Office on multiple contracts
- Reconstituted and maintained operational Aerostat maintenance database (FIGO) for PD Aerostat
- Maintain database for legacy PGSS equipment maintenance records for import in PD Aerostat Repair Data database
- Develop system Concept of Operation for Foreign Military Sales customer.
- Support engineering in cataloging Windchill (CAD program) product structure object part numbers from Repair Data to verify current OEM and program nomenclature.

PGSS//UAS Aerostat Configuration Management Program Lead

Feb 2014-Apr 2016

TASM LLC; NAVAIR 4.5xx; China Lake, California

- Directly managed technicians for the Re-integration of (29) LTA Unmanned Aerial Vehicles; (TCOM-22M) ISR assets to customer specifications.
- Developed RESET System Integration Lab (SIL) and repair center to test OEM electro-optical sensors and radars (FLIR, WESCAM, Vista)
- Supported JHAPL (John Hopkins Applied Physics Lab) integration team with Operation Stable Shadow (TIF- 25K) integration
- Developed testing, reporting, and documentation of asset configuration to insure proper operation post refurbishment and pre- QA/QC evaluation..
- Configure and allocate (COMINT), (ELINT), and (MASINT) sensors for A-ISR system

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Full Stack Web Development;

The Ohio State University, Columbus, OH

BS;

Active **Secret** Security Clearance