

# JASON DOWNING

## EMPLOYMENT

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### Software Engineer II

#### Raytheon Technologies

**08/2019 – Present**

- Worked on a scrum team, developing Java based web services utilizing Docker, containers, Maven, Git / GitHub, Jenkins and the Atlassian collaboration suite
- Integrated a system of C++ applications with a newer version of RedHat Linux
- Contributed to a Six Sigma project that involved creating Grafana Dashboards that pull from an InfluxDB database powered by automated Python scripts using REST APIs, which saved over \$50,000 annually
- Overhauled and refactored the Python Scripts to make them object oriented and added in a GUI to enable easier testing of the embedded systems against different configurations
- Developed Python Scripts for simulating an external interface that was used to test an embedded system
- Utilized C and C++ to work on an embedded military system

### System Engineer II

#### BAE Systems

**04/2018 – 08/2019**

- Utilized C#, ASP.NET, JavaScript, CSS/Bootstrap, and SQL Server to create a web application that replaced a complex spreadsheet workflow, which ultimately saved the company over \$100,000 per year
- Created a Python script to scan files for disallowed terms to prevent security violations
- Developed new features for a C# .NET automation system that used HTML5 with AngularJS, Bootstrap, jQuery, and SQLite
- Maintained a C++ application and added new features that enabled it to interface with an internal automation system

### Software Developer

#### Creative Logistics Solutions

**07/2017 – 04/2018**

- Developed a web service that integrates with an XML based REST API for an international express delivery carrier, which replaced a licensed external interface
- Implemented a C# .NET web service for a regional overnight shipping carrier, and completed the project a week ahead of schedule
- Created a web service for connecting to a government REST API, enabling the system to screen potential parties involved in regulated US exports

### Android Developer Intern

#### Fidelity Investments

**05/2016 – 08/2016**

- Developed new features for the Fidelity Android app using Java and XML
- Designed new User Interface layouts using Android Studio
- Experimented with Android Wear, and created a prototype Android Wear app

### Mainframe Developer Intern

#### Fidelity Investments

**05/2015 – 05/2015**

- Developed batch programs in COBOL, and created JCL to run COBOL batch jobs
- Modified existing CICS COBOL programs to improve their performance
- Worked with DB2 databases, and wrote SQL statements to query DB2 tables

## EDUCATION

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### Lowell, MA

#### University of Massachusetts Lowell

**09/2013 – 05/2017**

- Bachelor of Science in Computer Science, May 2017. Cumulative GPA: 3.4.
- Undergraduate Coursework: Android App Development (Java), Databases (MySQL), Graphical User Interfaces (GUI), Computer Architecture, Operating Systems, Functional Programming (Racket)

## TECHNICAL SKILLS

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- Python, Java, C++, C, C#, JavaScript, CSS, InfluxQL, SQL (SQL Server, SQLite, MySQL, DB2)
- .NET, ASP.NET, AngularJS, Bootstrap, jQuery, JSON, XML, Windows, Linux, Git, GitHub, Jenkins, Docker