Medford, Massachusetts

Jason Downing

spam@downing.io
https://downing.io
github.com/JasonD94
linkedin.com/in/jasonpdowning

Technical Skills

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

Employment

Software Engineer	Reversing Labs	10/2021 – Present

- Worked on a scrum team, developing Python and Go based web applications using CentOS 7, Django, Vagrant, Virtual Box, Git / GitHub, Jenkins and the Atlassian suite (Jira and Confluence)
- Contributed new features, bug fixes and customer requests to a web-based malware hunting platform called the A1000 which allows SOC Analysts to search, classify and analyze files and URLs
- Also contributed to a Python/Go based backend solution called Titanium Scale and another web-based system called the C1000 which allows for configuring of the A1000 as well as TiScale workers/hubs
- Completed over a dozen feature/bug fixes in the first 4 months, as well as edited or created over a dozen different Wiki Pages

Software Engineer II	Raytheon Technologies	08/2019 – 10/2021

- Worked on a scrum team, developing Java based web services utilizing Docker, containers, Maven, Git / GitHub, Jenkins and the Atlassian collaboration suite
- 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
- Developed an initial test system in Python using a COTS product to simulate message traffic over a binary data bus that was used to test an embedded system by providing 'mock' messages
- 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

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

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

Education	University of Massachusetts Lowell

- Bachelor of Science in Computer Science

Projects

LinkedIn Data Formatter – Created Python scripts to analyze exported LinkedIn Data using pandas
Deep Dreams – Created a Python script to download images off DeepDreamGenerator using BeautifulSoup and requests; also displayed these Dreams on a front-end website: https://downing.io/Dreams/

[Personal Website](#) – Created a collection of front-end web sites using HTML5, Bootstrap, jQuery, GitHub Pages, and CloudFlare. This website has been forked over 60 times and stared at least 45 times.