John Barton

Software Engineer | Palm Bay, FL | johnrbarton27@gmail.com

Languages/Frameworks

Python | Flask   Java   SQL   Bash   Ansible   JavaScript

Knowledgeable Areas

Git   Linux   Agile Methodologies   OOP   Unit Testing   Atlassian

Relevant Experience

Principal Software Engineer at Northrop Grumman Corporation
July 2016 - Present
Currently leading the E-2 DevOps team in support of multiple applications across different networks. Providing rapid solutions and support for teams and projects of all sizes. Writing full-stack Python, Java, and web (HTML/CSS) applications to provide automations, configuration control, and user interfaces. Providing training to users on Git, Atlassian, and more.

Designed & implemented a Python library for accessing the REST APIs of various development tools (Jira, Bitbucket, Collaborator, Bamboo, SonarQube, etc.). Wrote dedicated customized scripts to provide key automations for a software department of 140+ engineers, greatly improving developer efficiency. Added unit tests & automated regression tests to this library.

Designed & developed full-stack Python Flask applications with integrations to PostgreSQL and SQLite for metrics display & collecting automated testing results.

Worked to implement a toolset involving the Atlassian stack (Jira, Bitbucket, and Bamboo) to improve program efficiency and tools usability, replacing the aging IBM tools (ClearCase/ClearQuest) and greatly improving the morale of developers and other tools users. Led a transition effort to move the entire E-2 program (~600 employees) from IBM to Atlassian.

Education

University of Florida - Gainesville, FL
Bachelor of Science in Computer Software Engineering, Minor in Leadership
Graduation Date: May 1, 2016 | GPA: 3.20

Summer Internships

Summer 2015 | Northrop Grumman Corporation (Melbourne, FL)
Summer 2014 | Modus Operandi, Inc. (Melbourne, FL)
Summer 2011, 2012, 2013 | Harris Corporation (Melbourne, FL)

Achievements

Eagle Scout   National Merit Scholar   2011 Sunshine State Scholar   UF Dean's List