John Barton

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

Skills/Knowledge

Python | Flask   Java   k8s   SQL   Bash   Ansible   Git

Linux   Agile Methodologies   OOP   Unit Testing   Atlassian

Relevant Experience

Senior Software Engineer at Zoro Tools, Inc.

March 2022 - Present

Developed Python back-end microservices for cart/checkout operations for an e-commerce platform that totals over $1 billion in annual sales & 15,000+ daily orders.

Performed ERP transition from Oracle NetSuite to Commercetools, migrating hundreds of thousands of user accounts & related data.

Built Python-based automations for routine Customer Service tasks, metrics collection, and local development/testing, saving countless hours of manual setup and effort.

Principal Software Engineer at Northrop Grumman Corporation

July 2016 - March 2022

Technical lead for the E-2 DevOps team in support of multiple applications across different networks. Provided rapid solutions and support for teams and projects of all sizes. Wrote full-stack Python, Java, and web (HTML/CSS) applications to provide automations, configuration control, and user interfaces. Trained 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

Achievements

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