

# Dylan Poljak

dylanpoljak@icloud.com | 724-678-5948

## SUMMARY

Seasoned Software Engineer with expertise in application development and automated infrastructure solutions, possessing a deep understanding of the Software Development Life Cycle and Software Testing Life Cycle, and a proven track record of delivering robust and reliable software systems.

## EXPERIENCE

### WALMART ADVANCED SYSTEMS AND ROBOTICS

SOFTWARE ENGINEER II | JANUARY 2022 - SEPTEMBER 2024 | ANDOVER, MA

- Created release management system via Gitlab/CI and Kubernetes allowing controlled releases of software components with automated rollback.
- Created frontend testing framework leveraging Selenium, Python and BDD (Gherkin) for use case testing allowing for more reliable frontend releases.
- Developed a LLaMA-based chatbot for infrastructure engineering documentation and platform FAQs
- Developed Kubernetes infrastructure and application helm charts allowing team of 50+ engineers to deploy testing infrastructure and robotics system emulators.
- Developed CI/CD tooling for build qualification of software components and automated package versioning.

**Tools and Technologies:** Python, Jenkins, Git, Selenium, Docker, PostgreSQL, Jira, Java, Mongodb, Cucumber, Helm, Kubernetes, Datadog, Azure, Svelte, Javascript, Gitlab, React, LLaMA

### PHILIPS RESPIRONICS

SENIOR SOFTWARE ENGINEER | SEPTEMBER 2020 - JANUARY 2022 | REMOTE

- Developed CI/CD tooling for microservice applications platform Care Orchestrator to move from quarterly to monthly releases.
- Designed new OAuth2 capable authentication/profile service gateway for the Care Orchestrator platform, allowing teams to have a universal login, profile and pII.
- Conducted code and design reviews on platform features with multiple engineering teams and advised on improvements based on outstanding defects.

**Tools and Technologies:** Java, C#, C++, Jenkins, Git, Docker, Jira, Selenium, AWS, Gitlab, Javascript, ThreeJs

### PHILIPS RESPIRONICS

SOFTWARE ENGINEER | JANUARY 2018 - SEPTEMBER 2020 | MONROEVILLE, PA

- Developed a low level device data emulator that allowed generation of test data and anonymized production data for CPAP devices to allow more thorough device error state testing.
- Developed automated testing infrastructure for unit, component, integration and end to end testing to increase code quality and confidence in releases.
- Developed automated test requirements tracing tool that enabled tracing of requirements across all codebases for FDA reporting.
- Developed test plans for feature releases based on updated components and conducted regression analysis.

**Tools and Technologies:** Java, C++, C#, Jenkins, Git, Selenium, Docker, PostgreSQL, Jira, Javascript, React

### PROGENY SYSTEMS

SOFTWARE ENGINEER | JANUARY 2016 - DECEMBER 2017 | MANASSAS, VA

- Built Jenkins pipelines for Java applications that reduced build rejections for government contracts.
- Conducted performance analysis on Java based applications to identify inefficiencies, designed and implemented fixes based on the findings to improve responsiveness, performance and accuracy of systems.
- Developed test automation frameworks for existing software tools to enable higher confidence in software releases and reduce client found defects.

**Tools and Technologies:** Java, Jenkins, Git, Selenium, PostgreSQL, Jira, Javascript, ExtJs, Bootstrap

## EDUCATION

MS in Software Engineering

Penn State

College of Engineering

Aug 2017 - Aug 2019 | Obtained while working full time

SAFe Scrum Practitioner Certification

BS in Computer Science

Minor in Video Game Development

Penn State Erie: The Behrend College

College of Engineering

Grad. December 2015 | Erie, PA