JUSTIN MALONEY

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Education

Bachelor of Science in Computer Science   **Aug. 2019 – May 2021**
Virginia Tech   Blacksburg, VA
GPA: 3.87/4.0

Associate of Science in Computer Science   **Aug. 2016 – May 2019**
Virginia Western Community College   Roanoke, VA
GPA: 3.74/4.0

Technical Skills

Languages: C#, JavaScript/TypeScript, Java, Python, Bash, Powershell, C/C++, HTML/CSS, SQL
Developer Tools: Rancher Desktop, Docker Desktop, Visual Studio, Visual Studio Code, Nexus, Harbor
Technologies/Frameworks: GitLab CI/CD, Docker, Kubernetes, Helm, Angular, .NET Core/Framework, WPF, Linux, Inno Setup
Certifications: CompTIA Security+

Experience

Lockheed Martin   **June 2021 – Present**
Software Engineer   *King of Prussia, PA*
* **Product Owner** - I'm the Product Owner for my program's Architecture Runway team. I've worked on this team since I started at Lockheed Martin. Using my experience from customer feedback and designing/implementing my team's solutions, I've designed backlogs to address issues that have negatively effected user experience and program cost savings as Product Owner. The DevSecOps products my team owns are the software installer and CI/CD Pipelines. I've designed a solution with my team to overhaul a 15 year old software to completely optimize the user experience. This involved overhauling the entire user facing portion of the installer. We're creating an optimized GUI workflow, switching to a FOSS installer framework, and minimizing user prompts. Internally on the program we designed an automated end to end CI/CD pipeline solution to improve cost savings and software quality. The automated end to end solution involved a custom test execution framework, Gitlab Pipelines, Windows VMs, automated software installation, remote test execution, and result capture.
* **Software Development** - Contributed software engineering expertise in an agile environment to create full stack applications and services. Work included development on full stack solutions with WPF front end applications, .NET Core back end micro services, Angular web development, containerization, and DevSecOps tools.
* **CI/CD and DevSecOps** - Designed and Contributed to solutions like containerized Gitlab Pipelines for front end applications, back end services, common libraries, Docker images, and containerized Kubernetes deployment solutions used to install onto our target environment. Other notable work includes migration of a Monorepo to a Polyrepo GitLab project structure, designed/implemented automated local deployment solution to a k3s cluster in our production environment, and contributed to design/implementation of CI/CD processes for development and software installation tools for customer and test teams.
* **Research and Development** - Contributed to research and development of new applications and tools using new frameworks and technologies to win new contracts for our program. Participated in presentations to show customers research and development efforts. Contributed to trade studies to determine best tools for a given solution.

Projects

BDM Document Parser Web App | *Angular, Flask, MySQL, TypeScript, HTML/CSS, Python*   **May 2021**
* Developed a web application to parse bulk pdf documents to be uploaded to the Banner Document Management System for the Virginia Tech College of Engineering Advising Staff.
* Implemented an Angular based frontend to create an easy to use interface to allow users to upload bulk pdf's, add/remove/mange document types, term codes, users, and user privilege level.
* Utilized a Linux virtual machine to serve the application by using Nginx and Gunicorn.
* Implemented backend using Flask to allow for parsing and uploading of sub-documents within a given bulk document.

GetFit, Fitness/Nutrition Mobile App | *IOS, XCode, SwiftUI, Swift*   **Dec. 2020**
* Created an IOS mobile app to manage fitness and nutrition using SwiftUI on XCode.
* This app allowed users to track meals, locate gyms, track weight progress, and lookup nutritional info on foods.
* We developed these features using various api's such as Image Charts, Nutritionix, and Google Maps.