Dan Burger

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Denver, CO (317) 450-8229

Career Objective

Driven Software Engineer with academic and professional experience seeking opportunities to solve complex problems with the goal of putting well engineered software solutions in the hands of customers. Ability to learn technologies quickly with aspirations to lead a software team as a Senior Engineer.

Experience

Lockheed Martin Space, *Boulder*, CO - Software Engineer II June 2021 - Present
- Led performance improvement initiative on our **Elastic Stack** by eliminating duplicate data from a multi-node messaging system source, reduced storage size of **Elasticsearch** database by 25% and optimized data lifecycle to allow faster database queries. Automated setup and install with **Ansible**.
- Designed and implemented a system for **Docker** containerized client software to deploy and run on customer host machines to achieve a more **secure**, **reliable** and **scalable** satellite data distribution architecture with 700+ customers.
- Maintained code quality for mission critical features by conducting code reviews, writing **unit tests** for **C++** code, developing **automated tests** in **Python** and providing on site support for operators
- Presented 7+ **technical demos** for system status GUIs and containerized data processing applications to stakeholders and customers

Buildout Inc, *Chicago*, IL - Software Engineer Intern May - Aug 2020
- Developed a **Ruby on Rails** API web service that interacts with Facebook, LinkedIn, and Twitter **REST APIs** to provide customers with social media integration
- Designed the front-end **UX** for customers to interact with the web service using **Bootstrap**, **Rails** & **React** while interfacing with the Design Team and Head of Engineering

Northrop Grumman, *Melbourne*, FL - Electronics & Payload Intern May - Aug 2019
- Researched **Docker** for use in running 200+ tests in parallel to cut down on test execution time and isolate environment breaking test failures
- Integrated **Docker** into existing testing architecture using **Dockerfiles** and **Docker Compose**

Education

Purdue University, *West Lafayette*, IN GPA 3.56
B.S. in Computer Engineering

Skills

Programming Languages: Python, C++, Java, Bash Scripting, Ruby, JavaScript, HTML/CSS
Technologies & Frameworks: Ruby on Rails, React, GitLab CI/CD, Docker, Kubernetes, Linux, Git, Ansible, Elastic Stack, GoogleTest, pytest, Agile Development
Soft Skills: technical presentations, technical documentation, ability to lead other engineers, fast learner