

Daniel Mason

ALTAMONTE SPRINGS, FL 32701

(813) 528-6550 | daniel.j.msn@gmail.com | github.com/Daniel-J-Mason | www.all-thing.com

Professional Summary

Mechanical Engineer with 5 years of experience in a fast-paced production environment. 2 years of software development skills with a passion for Java and Linux. Seeking to transition the technical-adjacent skills of engineering to full time software development.

Skills

- Programming Languages: Java, Python
- Java-Specific: Java core, JavaFX, Spring boot, Maven
- Source and Version Control: Git, GitHub, GitLab
- Web Servers: Tomcat
- Databases: MariaDB, PostgreSQL
- CI/CD: GitLab Pipelines
- Virtual Environments: HomeLab, Proxmox, Ubuntu Servers, various Linux Desktop Distributions
- Containerization: Docker
- Strong Communication and Interpersonal Skills

Work History

Rev Group Inc.

Mechanical Engineer 3 | Orlando, FL | April 2023 - Current

Mechanical Engineer 2 | Orlando, FL | March 2018 - April 2023

- Proposed, designed, and implemented a custom JavaFX desktop application for the engineering department to compile all engineering-related files on the network to be searched in one place. Additional features: ability to find all trucks containing parts, part family tables, search histories.
- Created custom quality-check python scripts to eliminate transcription errors.
- Designed over 300 ambulance exteriors across six independent brands for body fabrication in a fast-paced environment.
- Peer reviewed final release packages to ensure design quality prior to production start.
- Provided mentorship to several junior engineers through technical guidance, peer review, and hands-on training.
- Collaborated with sales, production, and other engineering departments to allow for proper planning and design.
- Provided solutions to critical production issues through hands-on analysis of ambulances at all stages of the production line.
- Contributed to improvements on ISO controlled engineering documents such as review documentation and brand design standards.
- Released several Engineering Change Notices to reduce annual cost and improve on brand design.

Projects

Elite Dangerous Pilots Network (In-progress)

Backend Java Developer | April 2023 - Present

- FOSS community driven project
- Responsible for Postgres schema orchestration and Spring API implementation
- Microservice architecture, containerized stack includes: listener to collect data from public ZeroMQ server into Kafka buffer layer, processors to pull data from Kafka topics into Postgres database, Spring Boot API layer to present information from database.

Education

Bachelor of Science Mechanical Engineering

University of Central Florida

Orlando FL | December 2017