

Daniel Mason

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Professional Summary

Mechanical Engineer with 5 years of experience in a fast-paced production environment. 3 years of software development skills with a passion for Java and Linux. Seeking to transition the technical-adjacent skills of mechanical engineering to full time software development.

Skills

- Languages: Java (2 years), Python(1 year)
- Frameworks and Libraries: Spring(1 year), JavaFX (1 year), PostgreSQL (1 year), MariaDB(6 months)
- Tools: Linux(3 years), Git(2 years), Docker(1 year), Maven(2 years), Gradle(6 months), Liquibase(6 months)

Projects

Elite Dangerous Pilots Network (In-progress)

Backend Java Developer | April 2023 - Present

<https://github.com/ed-pilots-network>

- Work with team of senior engineers to develop REST backend using: Spring, Kafka, Liquibase, Gradle, Git, Mybatis, PostgreSQL and Docker.
- Responsible for significant contribution to Spring stack and PostgreSQL schema design.
- Work group lead tasked with organizing backend development team objectives, responsible for communicating expectations with frontend and operation leads.
- Utilize code review to improve code quality and uphold design standards/architecture

Work History

Rev Group Inc.

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

Mechanical Engineer | 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 Transmittal Review software with JavaFX to compare CREO part BOM's to production packages to improve quality and minimize 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.

Education

Bachelor of Science Mechanical Engineering

University of Central Florida

Orlando FL | December 2017