



Technical Skills

Languages: C#, Python, Java, Javascript, C, HTML, CSS

Databases: MySQL, SQLite, Postgres, MongoDB, Dynamo

Technologies: GitHub, Stash, Docker, Kubernetes, Jenkins, RabbitMQ, Kafka, Redis, Selenium, Camunda

Professional Experience

SOFTWARE ENGINEER

Tesla Feb 2022 – May 2024

- Designed business workflow process automations using orchestration software called Camunda Modeler with a Java/Maven app backend.
 - Developed internal tool to automate system updates and track fulfillment cycle of battery product from customer order to delivery, greatly decreasing delivery timelines by 40% and improving customer experience. Allowed for better visibility and enhanced tooling for internal teams to resolve issues more efficiently and accurately.
 - Migrated and updated tooling for appointments. New tool made all appointment task visible within a single process and organized by appointment type which increased scheduling efficiency by 30%.
- Built and maintained several backend applications/automations to support Tesla’s battery, energy and charging products fulfillment.
 - Created .NET application that organized data to send to utility partners for customer projects. The application sent and received up to several thousand applications each day. App used RabbitMQ for message queueing and GraphQL for efficient querying.
- Implemented monitoring with real-time alerts using Splunk that allowed action for immediate bug fixes and system updates that improved execution time, increased accuracy and redundancy of aggregated data and improved overall user experience.
- Coordinated with product managers and key business stakeholders to deliver key applications and automations to support the business.

JUNIOR SOFTWARE ENGINEER

Tesla Dec 2020 – Jan 2022

- Built and tested automation workflows using selenium web driver.

AUTOMATION ANALYST

Tesla Jun 2018 – Dec 2019

- Built and maintained SQL reports for the business to support automations.
- Tested and maintained automation workflows using selenium web driver.

ASSOCIATE PROJECT MANAGER

Tesla Nov 2016 – May 2018

- Managed solar and energy storage projects in collaboration with electric utility companies for more than 20 regional utilities.
- Lead regular meetings and conference calls to review projects internally and with the electric utility companies.