

Skills C/C++/C#, Java, JavaScript, Python, PHP, SQL, HTML, CSS, R, Data Modeling

Technologies AWS, GIT, Apache, MySQL, XML, JSON, Django, Flask,, React, Spring Boot, Quarkus

Work

General Motors | Austin, Texas

Jun 2021 - Current

Software Developer

- Developed backend infrastructure for projects within the Global Digital EV team mainly using Java, Quarkus, Kafka, and SQL databases.
- Supported the frontend team by implementing components in React for better visualization of near real-time data of out of stock vehicle inventory.
- Worked with other teams to combine multiple systems to create a more effective and easy to use API handling Estimated time of arrivals for vehicle orders.

National Driver Training | Lakeway, Texas

Dec 2020 - June 2021

Software Developer

- Developed educational websites for multiple state programs to meet the requirements of multiple state and federal agencies.
- Managed migration of legacy PHP software to the latest build, optimized existing web interfaces to increase performance and scalability.
- Redesigned the payment portal and gateway to handle 3rd-party integration in PHP and SQL.

Tarantula.La | Los Angeles, California

Jun 2020 - Dec 2020

Software Developer

- Lead Applications developer responsible for development, testing, and deployment of visual editing software used by Emmy awarded visual effects artists.
- Worked in parallel with other development teams to create an ecosystem of applications that improved a customers workflow by 13%.
- Redesigned the system architecture for the company's primary application, increasing customer engagement by 29%.

Projects

Fitness.AIO (Web Based) | *(React, Python, Django, PostgreSQL, JavaScript, Heroku, AWS)*

[Live](#) | [GitHub](#)

Jan 2020 - June 2020

- Developed a full stack web application using a custom algorithm to analyze and interpret clients nutrition metrics.
- Implemented the backend using CRUD principles and MVC architecture with Django framework enhancing site reliability by 30%.
- Redesigned a backend architecture that increased customer traffic by 12%.

Fitness.AIO (Desktop Based) | *(Java, Spring Boot, JUnit 5, Apache Derby, GIT, Hibernate)*

[GitHub](#)

Aug 2019 - Dec 2019

- Collaborated in a team to build a desktop application that keeps track of fitness information and calculations.
- Used statistical techniques for hypothesis testing in order to validate data and interpretations.
- Conducted unit testing using JUnit 5 to increase function accuracy for each Agile iteration by 30%.

Journalism Review | *(Python, MySQL, HTML, CSS, Bootstrap, Flask, GIT)*

[GitHub](#)

Aug 2019 - Dec 2019

- Designed a relational database schema that dynamically handles and indexes new information on the fly.
- Implemented specialized queries that ran 7% faster than stock functions.
- Built a REST API to handle direct requests from Qualtrics survey reports improving user satisfaction by 20%.

Education

DePaul University - *M.S. Computer Science 2020-2022*

Baylor University - *B.A. Psychology | Minor: Computer Science 2014-2019*

- Member of Association for Computing Machinery