

**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 and owned backend services for projects within the Global Digital Electric Vehicle team for a unified visibility into intelligent inventory replenishment using Java, Quarkus, Kafka, and SQL databases.
- Implemented frontend components in React to leverage visualization of real-time data from end to end of a vehicle pipeline starting from reservations to final delivery.
- Spearheaded development of a more effective and easy to use REST API handling each stage of a vehicles lifecycle improving the total application's efficiency by 25% compared to the old API.

**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**

- 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

**Blockchain** | (Java)

[GitHub](#)

*Jan 2022 - Feb 2022*

- Designed a blockchain system to support a ledger shared among networked peers, can be used for a multitude of use cases, (medical records, cryptocurrency, etc.)
- Implemented SHA-256 hashing and public key cryptography to produce 100% encrypted data.
- Developed a fully distributed peer to peer network simulating how a blockchain works and its features.

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

[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%.

## Education

**DePaul University** - M.S. Computer Science 2021-2023

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

- Member of Association for Computing Machinery