

5 years of experience as a full stack developer implementing solutions for consumer facing e-commerce platforms and streamlining the integration between UI/UX and backend REST APIs, with primary focus on database management systems (DBMS). I am eagerly seeking new opportunities to learn and apply the skills and experience I have gained thus far.

## WORK HISTORY

### Harvard Business Publishing

Full Stack Software Developer – Content Systems | Feb 2023 – Present

- Optimized and tested metadata extraction frameworks, achieving a 600% increase in processing efficiency through robust backend improvements and thorough performance testing.
- Led the upgrade and modernization of legacy systems, collaborating with third-party partners to ensure secure data exchange and maintain strict adherence to proprietary information protocols.
- Conducted rigorous testing of backend solutions to verify functionality, optimize performance, and ensure compliance with industry standards and best practices.

### General Motors

Full Stack Software Developer | Nov 2020 – Nov 2023

- Designed and developed scalable, customer-facing web applications using Java and Spring Boot, leveraging AEM hosted on AWS to deliver high-performing and resilient solutions aligned with business objectives.
- Developed and deployed microservices using Spring Boot and RESTful APIs, integrating cloud-based solutions on AWS to enhance scalability and reliability for customer-facing web platforms
- Diagnosed and resolved internal database anomalies using relational database tools like MySQL and SQL Developer, and integrated third-party APIs such as Insomnia to enhance the reliability of customer-facing web applications
- Engineered robust, unit-tested backend APIs interfacing with Oracle databases, utilizing intricate SQL queries to support B2B/B2C digital operations within agile frameworks
- Created and maintained full stack web applications adhering to WCAG accessibility standards through the development of Angular frontend components and Spring Boot backend services, advancing web platforms to maximize efficiency of customer shopping experience
- Architected and sustained scalable web solutions, notably the customer-centric Chevy [Bolt EV](#) webpage, by synergizing Adobe Experience Manager (AEM) with Azure DevOps for high-performance deliverables

### iD Tech

Machine Learning & Neural Networks Course Instructor | Jun – Aug 2019

- Led class focused on machine learning and artificial intelligence fundamentals to 15 students at a software development academy at the University of Miami
- Taught students how to build and test convolutional neural networks leveraging Python, Keras, and TensorFlow
- Held workshops to educate students on Linux, Jupyter Notebook, and GitHub concepts/utility

### AMD

Machine Learning & Artificial Intelligence Intern | Jun – Aug 2018

- Ran performance tests (i.e. benchmark testing, unit testing) for image recognition software on industry ML benchmarks
- Leveraged computer vision principles to develop image recognition software used as a proof of concept for future ML models
- Researched leading industry methods for recommender systems and their innerworkings and covered findings in capstone presentation to industry professionals

## PERSONAL PROJECTS

- Designed and developed a dynamic, cloud-hosted portfolio web application using React, Bootstrap, and AWS Amplify, showcasing full-stack development skills in creating resilient, customer-facing web solutions.
- Implemented Git for version control to ensure efficient management of project changes [GitHub - Portfolio](#).

## TECHNICAL SKILLS

Languages:	Java, JavaScript, TypeScript, Python, HTML/CSS, SASS, SQL, C++
Frameworks & Libraries:	Next.js, Django, NodeJS, Express.js, AngularJS, React, Spring Boot, TensorFlow, Jasmine/Karma
Methodologies:	Agile Software Development, Test Driven Development, CI/CD, Unit & Regression Testing
Tools & Platforms:	Azure DevOps, Git, MySQL, Linux, PyCharm, Docker, Sublime, Jira, Material UI, Jenkins, AWS, Maven, Postgres

## EDUCATION

B.S. Computer Science & Mathematics @ University of Massachusetts Amherst

Sept. 2016 - May 2020