

MUSTAPHA MUHAMMED BOTCHWAY

SOFTWARE ENGINEER | Javascript | Python | React | React Native | MySQL

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CAREER SUMMARY

Detail-oriented and adaptable Software Engineering graduate student with hands-on experience in full-stack development using technologies like React, JavaScript, MySQL and Python. Proven ability to design, build, and maintain scalable web applications through academic projects and personal development. Passionate about solving real-world problems with clean, efficient code and eager to contribute to high-impact development teams.

EDUCATION

Masters of Science in Applied Computer Science	Aug 2022 – Dec 2025
Grand Valley State University	GPA: 3.571
Bachelors of Science in Computer Science	Oct 2012 – May 2016
University of Ghana	

TECHNICAL SKILLS

Javascript, React.js, React Native, HTML, CSS, Media Queries, AJAX, JSON, Google Cloud, Python (Pandas, Numpy, Matplotlib, Seaborn), SQL, MySQL, Looker Studio, PostgreSQL, MongoDB, Firebase, PHP, Electron.js, Chart.js, Express.js, Node.js, RESTful API, Git, Machine Learning Algorithms: Linear Regression, Decision Tree, Logistic Regression

PROJECTS

Mobile Food Ordering App (React Native, Firebase)

- Designed and built a mobile app that allows restaurant servers to take and manage food orders in real-time.
- Implemented real-time order tracking for kitchen staff to streamline food preparation.
- Enabled customers to scan QR codes to view digital menus and place orders directly from their phones.
- Added functionality for servers to print or email customer receipts instantly.
- Developed a live dashboard for the restaurant owner to monitor transactions and order flow in real-time.

Ecommerce Web Application (React, Firebase, MySQL)

- Built a scalable web platform that allows vendors to sign up and list products for sale.
- Implemented advanced search and filtering features to help customers easily discover products.
- Secured user accounts with two-factor authentication (2FA) to ensure safe access and data protection.
- Integrated Stripe for secure, reliable payment processing and seamless checkout experiences.

PROFESSIONAL EXPERIENCE

Graduate Assistant – GVSU College of Computing (LMS)

Grand Valley State University | January 2024 – April 2025

- Developed a responsive, React-based Learning Management System (LMS) to streamline student access to coursework, assignments and scheduling tools.
- Collaborated closely with faculty to gather requirements and deliver an intuitive, user-friendly interface.
- Improved LMS usability and engagement, contributing to higher student interaction based on feedback survey results.

Software Engineer- Garage Mobility, Ghana

March 2022 – July 2022

- Contributed to the development of a customer-facing web application that streamlined the process of placing business orders
- Collaborated with a team of developers to integrate and test backend APIs for internal applications.
- Focused on improving the user interface of the company's software suite to enhance usability and customer experience.