

Michael-Andre Odusami

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EDUCATION

Virginia Tech 08/2023 - 05/2026
Bachelor of Science in Computer Science Blacksburg, VA
Relevant Coursework: Data Structures and Algorithms, IOS Software Engineering, Software Design and Data Structures, OOP in C++

Certifications: CodePath Web Development, Kaggle Data Cleaning, Meta Introduction to Backend Development

Awards: Four-time Hackathon Award Winner (Roles: React Developer, React Native Developer)

SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript, Swift, C++, C
Web Frameworks: React, Next, Svelte, Spring Boot, Express, FastAPI, NodeJS, Tailwind
Mobile Frameworks: ExpoGO, SwiftUI, React Native
Libraries: Junit-5, Numpy, Pandas, Hibernate
Databases: Postgres, MongoDB, MySQL, Supabase
Tools: Docker, Git, Microsoft Power Automate, Maven, Bash

EXPERIENCE

Virginia Tech 08/2024 - 12/2024
Teaching Assistant Blacksburg, VA

- Taught 50+ students Java focusing on Software Data Structures while incorporating pair-programming labs.

TDI Blackstone 05/2024 - 08/2024
IT Intern New York City, NY

- Built an automation alert system/process flow for a \$6B energy project coordinating with multi-functional teams by developing an application to process and organize project data using Java and Python.
- Engineered a Java-based data processing application with Test-Driven Development (TDD) practices, employing JUnit5 for efficient handling of Microsoft Project Files.
- Achieved 100% adherence to stakeholder agreements, reducing errors by 95% and saving 15+ hours weekly.

Ipnx Limited 05/2023 - 08/2023
Software Engineer Intern Lagos, NG

- Implemented user-facing asset submission forms using React and PHP, optimizing form usability and submission rates.
- Designed and deployed an admin dashboard to manage customer submissions, improving task allocation and response times for operations teams.
- Increased response time by 20% dealing with customer requests

PROJECTS

Independent Queens
Frontend Web Developer

- Identified a need for a platform to enhance productivity, well-being, and community building among women.
- Create a comprehensive web application addressing these needs.
- Developed features including a personalized scheduler with Canvas API integration, a digital journal with sentiment analysis, a skill marketplace and a community explore page, using React, TypeScript, Tailwind CSS, and ShadCN.
- Won Capital One Sponsored Award and launched the platform at HackViolet 2025, receiving positive user feedback.

Mapability
Frontend Web Developer

- Noticed a lack of platforms providing accessibility information for buildings.
- Develop an application allowing users to search and review buildings based on accessibility metrics.
- Implemented features such as building search, accessibility reviews, and personalized accessibility plans using generative AI, leveraging TypeScript, React, Next.js, and Tailwind CSS.
- Won CoStar Group's Best Real Estate Hack at VTHacks 12; promoted accessibility and inclusivity in infrastructure.

Chariot
Mobile Engineer Lead

- Participated in Marriott CodeFest VT, a 48-hour coding competition.
- Develop an integrated, scalable multi-application system encompassing web, mobile, and backend solutions.
- Led a team to design and implement a microservices-based recommendation engine, utilizing Next.js for the web application, React Native for the mobile app, and FastAPI for backend services, all deployed on AWS.
- Secured 1st place; invited to present the project to Marriott executives.

Yumex

Fullstack Web Developer

- Recognized the need for a platform where food enthusiasts can share experiences and discover new dishes.
- Create a dynamic web application fostering a food-loving community.
- Developed features including post creation with image uploads, user authentication, and real-time comment updates, utilizing React, Next.js, TypeScript, and Supabase.
- Completed as the final project for CodePath Web Development; facilitated user engagement and content sharing among food enthusiasts

Bytes - Short Form News App

Mobile Engineer Lead

- Identified a trend towards short-form news consumption among students.
- Develop a mobile application delivering personalized, concise news content.
- Created a cross-platform app with features like swipe navigation, text-to-speech functionality, and category-based article filtering, using React Native, Expo Go, NewsAPI, and PropelAuth.
- Won Best Accessibility Award at HooHacks 2024, one of the largest hackathons; provided a modern news consumption experience tailored to student preferences.

JWT User-Authentication

Spring Boot Developer

- Recognized the need for secure and scalable user authentication in applications.
- Implement a boilerplate template for JWT authentication in a Spring Boot application.
- Developed secure endpoints for login, registration, and access to protected resources, incorporating role-based access control and refresh token support, using Spring Boot, PostgreSQL, Docker, and JWT.
- Provided a reusable and configurable authentication system for various applications.

Youtube Music Playlist Manager

Python Developer

- Identified a need for efficient management of YouTube Music playlists.
- Develop a Python program to manage playlists on YouTube Music.
- Implemented features to create, delete, and update playlists, as well as add or remove songs, using the YTMusicAPI and supporting OAuth-based authentication.
- Automated playlist management on YouTube Music, enhancing user experience.