

CHRISTOPHER MILES

Software Engineer

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Summary

Full Stack Engineer with three years at Orange Barrel Media, specializing in Ruby on Rails and React Native. I'm involved in end-to-end development—building features, fixing issues, and architecting robust systems where databases, background services, and caching layers work seamlessly together. Projects I've led have boosted user engagement and slashed costs, like creating a multiplayer arcade app, rolling out scalable transit data for 600 kiosks, and overhauling critical systems to reduce expenses by 59%. I thrive in Agile teams, enjoy mentoring, and stay curious to grow in dynamic web development.

Skills

Ruby on Rails • React.js • React Native • JavaScript • HTML • CSS • Relational Databases • SQL • PostgreSQL • Git • WebSockets • WebRTC • Heroku • MongoDB • Firebase • RESTful APIs • Responsive Web Design • Object-oriented Programming • Java • Spring Boot • Vue.js • Agile Methodologies

Experience

Orange Barrel Media

Columbus, OH

Software Engineer - Software Engineer III

03/2022 - Present

- **Arcade App Development:** Developed a multiplayer arcade app using a WebSocket backend system for IKE, introducing a new interactive feature for Orange Barrel Media. Enabled over 150,000 games played as of December 1, 2024.
- **Backend System Upgrade and API Integration:** Upgraded backend architecture to integrate new Google Places APIs into the IKE application, managing approximately 257,700 annual API requests with zero downtime and ensuring access to location-based data for users nationwide.
- **Transit Data Integration:** Designed a scalable nightly backend job system with service and gateway architecture to fetch and store real-time transit data for 600 kiosks nationwide, ensuring up-to-date micro-mobility and transportation information for commuters.
- **Weather Data Migration:** Successfully migrated the weather data provider from OpenWeather to WeatherBit, ensuring accuracy and reliability while reducing operational costs by 59%.

Education

Tech Elevator

Columbus, OH

Certification in Java Web Application Development

09/2021 - 12/2021

- Gained comprehensive skills in web-based software development, including Object-Oriented Programming with Java, HTML/CSS, JavaScript, Spring Boot, and Vue.js
- Developed interactive web applications and managed database programming with JDBC, SQL, and PostgreSQL

Certifications

[The Complete Ruby on Rails Developer Course, Udemy \(Issued Feb 2023\)](#)

[JavaScript Algorithms and Data Structures, freeCodeCamp \(Issued Feb 2022\)](#)

[Responsive Web Design, freeCodeCamp \(Issued Aug 2020\)](#)

Projects

Video Conferencing App

- Developed an MSFT Teams clone leveraging WebRTC for seamless video streaming
- Implemented real-time text chat functionality with Socket.io and deployed on AWS Elastic Beanstalk

Wedding Website

- Created a responsive website for my wedding guests to RSVP using React, Material UI, and Google Firebase
- Hosted on Netlify with optimized UI/images for both mobile and desktop screens