# Garrett Whitehead

Fayetteville, AR | (479) 595-9244 | glwhiteh@uark.edu | https://www.linkedin.com/in/garrett-whitehead/
| https://gwportfolio-db.web.app/

Results-driven Software Engineer with expertise in full-stack and mobile development. Strong foundation in React, React Native, and Firebase, with a focus on performance optimization and scalable architecture.

## EXPERIENCE

**OZARK APPS**                                                                                        *Fayetteville, AR*
*Software Engineer I*                                                                                   *Sep 2024 – Present*
- Architected and refactored over 40+ components in multiple cross-platform apps using React Native with Firebase backend and cloud functions, improving maintainability and reducing redundancy.
- Optimized existing codebases and resolved critical issues on projects, reducing backend load by 14% via API optimizations and significantly improved performance via query optimization, reducing overall load times for end-users by 22%.

**J.B. HUNT**                                                                                              *Lowell, AR*
*Application Development Intern*                                                                 *Mar 2019 – Aug 2021*
- Leveraged Angular to implement autofill features into the J.B. Hunt Carrier Automation Management website, streamlining the process of searching for builds by 55% and improving employee efficiency.
- Created many Unit and End-to-End tests for various J.B. Hunt applications. Covered on average 90% of code, resulting in exceptional reliability and greater uptime for production services.
- Diagnosed over 40+ issues and added features in the J.B. Hunt Drive app (React Native), leading to a 14% improvement in overall app speed and a greater overall driver experience.

## EDUCATION

**UNIVERSITY OF ARKANSAS**                                                                  *Fayetteville, AR*
*Bachelor's Degree in Computer Science*                                                      *Aug 2019 – Dec 2023*
- Relevant Coursework: Formal Languages and Computability, Software Engineering, Systems Synthesis, Algorithms, Database Management Systems, Embedded Systems.

## PROJECTS

**PERSONAL PORTFOLIO: https://gwportfolio-db.web.app/**
- Web app in React using Google Firebase Hosting and Firebase Cloud Functions showing other projects.

**CUSTOM SIZE CONNECTIONS GAME: https://customsizeconnections.netlify.app/**
- A React implementation of the NYT game 'Connections' with custom sized boards and shareability.

**GROCERY MANAGEMENT**
- Developed a Swift app using Google Cloud Vision API OCR to scan Walmart receipts and extract data on grocery items using a custom endpoint, alerting users when perishable items were near expiration.

**MOBILE OFFLINE STREAMING SYSTEM**
- Offline mobile video streaming service for rural areas using WebRTC and OBS for sub-1 second latency.

## AWARDS

**UNIVERSITY OF ARKANSAS HACKATHON**                                                         *Mar 2019*
- Awarded first place at the University of Arkansas ACM Hackathon for developing an innovative product that addressed real-world problems within a 24-hour timeframe. (See: Collision Detection Project)

**GOOGLE TECH CHALLENGE**                                                                         *Sept 2019*
- A programming challenge competition, awarded 1st place out of all University of Arkansas students.

**JOHN BROWN UNIVERSITY PROGRAMMING COMPETITION**                                 *Feb 2019*
- Awarded second place of 10+ teams at the John Brown University Programming Competition (JBU).

## SKILLS

**Languages:** Java, C++, Python, JS / TS, Swift, SQL, GraphQL
**Frameworks & Libraries:** React , React Native, Redux, Angular, Node.js, Next.js, Spring Boot
**Tools & Platforms:** Azure, AWS, Google Cloud, Docker, Kubernetes, Firebase, MongoDB, Postman