

# Keith Black

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## Professional Summary

Results-driven Software Engineer with over three years of experience in full-stack development, specializing in Angular, React, Node.js, and .NET. Adept at building scalable applications, optimizing performance, and leading cross-functional teams to deliver high-impact solutions. Skilled in front-end and back-end development, RESTful API integration, state management, and database optimization. Strong advocate of Agile methodologies, test-driven development, and code maintainability. Passionate about delivering user-centric applications that enhance business efficiency and user experience. Proven ability to mentor peers, collaborate with stakeholders, and drive continuous improvement in development processes.

## Professional Experience

### IFS – Associate Software Engineer

Denver, CO | February 2022 – January 2025

- Spearheaded the development of a dynamic dashboard using Angular, C#, and UniData, enabling real-time data visualization and significantly improving user workflow efficiency.
- Designed and implemented backend-to-frontend data pipelines, converting complex layouts from UniData into scalable, responsive components on the Angular frontend.
- Utilized RxJS for state management and asynchronous data handling, ensuring seamless interaction between the dashboard and backend services.
- Applied RESTful API design principles to integrate backend services, streamlining data retrieval and improving performance.
- Diagnosed and resolved critical bugs across the stack, improving software reliability and maintaining regression test success rates above 95%.
- Conducted detailed unit testing (xUnit) and integration testing to ensure robust functionality across the entire application stack, reducing production issues by 40%.
- Refactored backend logic in C# to optimize data formatting and ensure consistent component sizing at a global level, enhancing UI performance and usability.
- Leveraged Agile methodologies, including sprint planning, stand-ups, and retrospectives, to ensure consistent delivery of high-quality features aligned with business priorities.
- Implemented dependency injection and design patterns to create modular, maintainable codebases.
- Proactively resolved cross-functional issues by diagnosing and optimizing performance bottlenecks across the Angular frontend, UniData queries, and backend C# services.
- Authored comprehensive technical documentation and workflows for new features, facilitating knowledge sharing and improving team onboarding efficiency.
- Collaborated closely with product managers and QA engineers to align development priorities with business objectives, delivering features on time and to specification.
- Proactively contributed to team technical goals by sharing knowledge, mentoring peers, and fostering a culture of continuous improvement.

### Flock – Frontend Engineer Intern

Remote | November 2021 – February 2022

- Refactored React components, boosting mobile responsiveness by 30%.
- Designed interactive UI elements using Material UI and Redux, improving user experience across devices.
- Conducted code reviews and debugging to maintain application reliability.

## **Robert Half (Contract for Shane Co.) – Quality Assurance Analyst**

Denver, CO | February 2021 – October 2021

- Conducted comprehensive manual testing, achieving a 90% regression test success rate.
- Coordinated with developers and product managers to diagnose critical bugs, leading to faster resolution times and enhanced software reliability.
- Improved cross-browser compatibility using tools like BrowserStack.

## **Cornerstone Apartment Services – Portfolio Manager**

Denver, CO | October 2017 – December 2020

- Managed a \$50M portfolio of over 335 apartment units, achieving a 97% occupancy rate.
- Supervised and mentored a team of managers and technicians, fostering professional growth and ensuring operational excellence.
- Conducted performance evaluations, provided training, and streamlined team workflows to maximize productivity and client satisfaction.

## **Projects**

### **Instaverse**

[GitHub](#) | [Live Demo](#)

- **Description:** A full-stack MERN application enabling users to create personal profiles and share photos in a social media-style platform.
- **Role:** Sole author, responsible for full-stack development and deployment.
- **Technologies:** React.js, Node.js, Express, MongoDB, Redux, JWT Authentication, Material UI.

### **Haggle MERN**

[GitHub](#)

- **Description:** A collaborative bartering and trading application with a rich user interface and backend.
- **Role:** Lead Frontend Developer, responsible for UI/UX design, React component development, and deployment.
- **Technologies:** React.js, Node.js, Express, MongoDB, SendGrid, Multer, S3, Passport Authentication.

## **Technical Skills**

**Languages:** JavaScript (ES6+), TypeScript, C#, SQL, NoSQL, UniData, XML

**Frontend Development:** React.js, Angular, Material UI, Redux, Bootstrap, jQuery, CSS, SCSS

**Backend Development:** Node.js, .NET Framework, RESTful APIs, UniBasic/Unidata

**Databases:** MongoDB, MySQL, UniData

**Tools:** Git, Postman, Figma, Heroku, AWS (S3), Azure, Visual Studio Code, Visual Studio

**Testing:** xUnit, Jest, Selenium

## **Education**

**University of Denver** – Denver, CO

**Methodologies:** Agile (Scrum, Sprint Planning, Retrospectives), Dependency Injection, Design Patterns

**Certificate in Full Stack Web Development**

**State University of New York at Plattsburgh** – Plattsburgh, NY

**Bachelor of Science in History, Minor in Business Administration**