

# Kyle Kennedy

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## EDUCATION

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**Appalachian State University**  
*Bachelor of Science in Computer Science*

Boone, NC  
*Dec. 2022*

## PROFESSIONAL EXPERIENCE

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**Mountain Dev**  
*Technical Lead*

Boone, NC  
*November 2025 - Present*

**Full-Stack Development:** Built web application for visualizing aerial emissions inspection data using Mapbox, with data export functionality supporting KMZ, Excel, and PDF formats for client reporting.  
**Architecture:** Collaborated with leadership on system design; implemented full stack using FastAPI, Next.js, and PostgreSQL.  
**Team Leadership:** Led team of 4 developers across multiple time zones, coordinating code reviews, sprint planning, and delivery.

**ECR Software Corporation**  
*Full-Stack Software Engineer III*

Boone, NC  
*January 2023 - October 2025*

**Career Growth:** Promoted twice in under three years, advancing from Junior to Expert based on technical ownership and consistent delivery.  
**Mobile Development:** Led end-to-end mobile app lifecycle as sole engineer for iOS and Android, reducing crash rates by 25% and ANR rates by 50% while serving 1,500+ regular users.  
**Security:** Eliminated 90% of critical vulnerabilities across 5+ applications by implementing NexusIQ and enforcing secure CI/CD pipelines.  
**Code Quality:** Reduced technical debt by 60% (measured via SonarQube); increased unit test coverage from 0% to 40% on legacy Java codebase (300k+ LoC).  
**Build Optimization:** Implemented Maven build optimizations and dependency management improvements, reducing build times by 33% from 2 hours down to 80 minutes.  
**Client Engagement:** Represented engineering at annual customer conferences, presenting roadmaps and translating client feedback into development priorities.

## SKILLS, TOOLS, AND TECHNOLOGIES

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**Languages:** Java, SQL, Python, TypeScript  
**Frameworks:** FastAPI, Next.js, Vue.js, React, GWT  
**Databases:** PostgreSQL, SAP SQLAnywhere **Infrastructure & Cloud:** Docker, AWS, GitLab CI/CD  
**Tools:** Maven, Git, SonarQube, NexusIQ

## AWARDS

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**ECRS Rookie of the Year Award 2023:** Peer-voted award given to the top performing new hire for the year.  
**ECRS Values MVP Award Q2 2023, Q1 2024:** Peer-voted award given quarterly to the employee who best exemplifies company values.