

# Kyle Kennedy

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## PROFESSIONAL SUMMARY

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Full-Stack Software Engineer with 3+ years of experience building and shipping web and mobile applications. Proficient in Java, Python, TypeScript, and SQL, with hands-on experience across modern frameworks (React, Next.js, FastAPI), CI/CD pipelines, Docker, and AWS. Experience modernizing complex legacy codebases and reducing technical debt.

## PROFESSIONAL EXPERIENCE

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### Mountain Dev

Boone, NC

*Technical Lead*

*November 2025 - Present*

- Built web application for visualizing aerial emissions inspection data using Mapbox, with data export functionality supporting KMZ, Excel, and PDF formats for client reporting.
- Collaborated with leadership on system design; implemented full stack using FastAPI, Next.js, and PostgreSQL.
- Led team of 3 developers across multiple time zones, coordinating code reviews, sprint planning, and delivery.

### ECR Software Corporation

Boone, NC

*Full-Stack Software Engineer*

*January 2023 - October 2025*

- Promoted twice in under three years, advancing from Junior to Expert based on technical ownership and consistent delivery.
- 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.
- Eliminated 90% of critical vulnerabilities across 5+ applications by implementing NexusIQ and enforcing secure CI/CD pipelines.
- Reduced technical debt by 60% (measured via SonarQube); increased unit test coverage from 0% to 40% on legacy Java codebase (300k+ LoC).
- Implemented Maven build optimizations and dependency management improvements, reducing build times by 33% from 2 hours down to 80 minutes.
- Represented engineering at annual customer conferences, presenting roadmaps and translating client feedback into development priorities.

## EDUCATION

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### Appalachian State University

Boone, NC

*Bachelor of Science in Computer Science*

*December 2022*

## SKILLS, TOOLS, AND TECHNOLOGIES

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**Languages:** Java, SQL, Python, TypeScript

**Frameworks & Libraries:** FastAPI, Next.js, Vue.js, React, GWT

**Databases:** PostgreSQL, SAP SQLAnywhere

**Infrastructure & Cloud:** Apache Tomcat, GitLab CI/CD, Docker, AWS

**Tools:** Maven, Git, SonarQube, NexusIQ, Gradle, Cursor, Android Studio, XCode

## 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.