

Kyle Kennedy

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PROFESSIONAL EXPERIENCE

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 3 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.

EDUCATION

Appalachian State University

Bachelor of Science in Computer Science

Boone, NC

December 2022

SKILLS, TOOLS, AND TECHNOLOGIES

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, Android Studio, XCode

AWARDS

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.