

Kyle Kennedy

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EDUCATION

Appalachian State University

Bachelor of Science in Computer Science

Boone, NC

Dec. 2022

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 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

Languages: Java, SQL, Python, TypeScript

Frameworks: 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

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.