

Kyle Kennedy

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PROFESSIONAL SUMMARY

Technical leader with 3+ years of full-stack development experience and proven expertise in architecting scalable web and mobile applications. Demonstrated ability to drive technical excellence, reduce critical vulnerabilities, and improve code quality across complex systems. Strong background in Java, Python, TypeScript, and modern frameworks (FastAPI, Next.js, React). Skilled at leading cross-functional teams, optimizing system performance, and translating technical solutions to client needs. Committed to clean code practices, security-first development, and continuous process improvement.

PROFESSIONAL EXPERIENCE

Mountain Dev

Boone, NC

Technical Lead

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

Boone, NC

Full-Stack Software Engineer

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

Boone, NC

Bachelor of Science in Computer Science

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.