

Kyle Kennedy

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PROFESSIONAL SUMMARY

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

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

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.