Kyle Kennedy

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EDUCATION

Appalachian State University — Boone, NC
Bachelor of Science in Computer Science — *December 2022*

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 III — *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 & 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.