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EDUCATION

Appalachian State University Boone, NC
Bachelor of Science in Computer Science Dec. 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 4 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, Python, SQL, JavaScript/TypeScript **Frameworks:** FastAPI, Next.js, Vue.js, React, GWT **Tools:**

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.