

Lucas Rector

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Online Profiles: [LinkedIn](#) | [GitHub](#) | [Personal Website](#)

EDUCATION

Appalachian State University
Bachelor of Science in Computer Science

Aug. 2023 – May 2025
Boone, NC

EXPERIENCE

Software Developer
ECRS

Apr. 2025 – Present
Boone, NC

- Develop and maintain scalable Ruby on Rails applications to automate retail workflows, integrating front-end and back-end systems.
- Collaborate in an agile team to design features, resolve issues, and ensure high performance and software quality.

Web Developer & Automation Consultant
Nutrition Care of the Piedmont

Mar. 2025 – Apr. 2025
Remote

- Redesigned website copy and graphics in close collaboration with the founder to improve clarity, branding, and user experience.
- Developed custom JavaScript using Google Apps Script to auto-post YouTube videos and display a rotating seasonal recipe from Google Drive.

Software Developer
Cornerstone Baptist Church

Jan. 2025 – Mar. 2025
Valdese, NC

- Built a group-based SMS announcement system using Python and Twilio to streamline church communication with Youth, Deacons, and Children's Ministry.
- Developed a user-friendly interface with Pygame, enabling non-technical staff to send targeted messages with minimal effort.

Junior Developer
Ferrous Design Inc

July 2024 – Dec. 2024
Boone, NC

- Created scripts and software solutions for diverse clients, including AWS cloud functions, Slack bots, and Python-based automation.
- Developed digital and physical systems, including OpenCV-based barcode scanning for NMR trays.

Client Solutions Specialist
Ferrous Design Inc

Jan. 2024 – June 2024
Boone, NC

- Built strong relationships to understand challenges and introduce tailored software solutions.
- Helped clients identify tools to enhance operations and drive growth.

Web Developer
Cornerstone Baptist Church

Oct. 2023 – Dec. 2023
Valdese, NC

- Delivered a modern, user-friendly website for a local church.
- Worked closely with church leadership to capture and implement their ideas into the platform.

Social Media Marketing Manager
Sherpa Outdoor Products

Mar. 2021 – Sep. 2022
Morganton, NC

- Managed social media and website content, including Facebook page upkeep, creating video ads with drones and professional equipment.
- Produced graphics and videos to boost brand awareness and optimized campaigns through data analysis.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Swift, SQL, JavaScript, TypeScript, HTML, CSS, R., Haskell, Ruby.
Frameworks: React Native, Node.js, Angular, Flask, JUnit, WordPress, SwiftUI, Ruby on Rails.
Developer Tools: Git, Make, Google Cloud Platform, RStudio, GDB, VS Code, AWS, Slack, GHCI, Xcode.
Libraries: Pandas, Gmail API, OpenCV, Selenium, Matplotlib, Spotify API, Twilio, Slack API, NumPy.