

# Jeff Butler

LinkedIn: [Jefferson-Butler](#) | 360-420-7827 | [jefferson.butler@icloud.com](mailto:jefferson.butler@icloud.com)

Full Stack Developer with 2+ years of experience building production applications. Recent CS & Math double major graduate adept at learning new technologies. Proven track record of leading feature development, optimizing performance, and implementing good practices. Self-directed learner who maintains a personal home lab for continuous experimentation with emerging technologies.

## Skills

**Languages:** JavaScript, Python, Rust, R, C++, Java, SQL, Bash

**Frameworks/Libraries:** Next.js, Nest.js, React, Node.js, Express, GraphQL, Tailwind CSS

**Cloud & Deployment:** AWS (EC2, S3, RDS), Vercel, Heroku, Docker, CI/CD Pipelines

**Tools & Databases:** Git, Linux, Yarn, PostgreSQL, MongoDB

**DevOps & Self-Hosted:** Home Lab Administration, AI/LLM Stack, Media Servers, Network Management

## Professional Experience

### Full Stack Developer | Opportunity Education | July 2023 - Current

- Led development on 3 major feature rollouts using Next.js and Nest.js
- Optimized database performance through SQL query optimization, significantly reducing response times across multiple endpoints
- Built CI/CD pipeline for automated review apps, ensuring all code undergoes review and testing before production deployment
- Executed multiple project-wide refactors improving code maintainability and reducing technical debt
- Maintained code quality standards across multiple repositories through consistent development practices

### Connectivity Engineering Intern

**Biomotum, Portland OR** | February 2023 - April 2023

- Analyzed and optimized C++ embedded firmware codebase, achieving 100% performance improvement from 60Hz to 120Hz polling rate
- Developed WiFi-based real-time transmission protocol maintaining stable 120Hz control communication with minimal latency
- Studied existing microcontroller firmware architecture to identify and implement performance optimizations

## Education

**B.A. in Computer Science & Mathematics** | December 2024

Lewis & Clark College at Portland, OR

Relevant Coursework: Data Structures & Algorithms, Databases, Programming Language Structures, AI, Machine Learning, Graphics

## LEADERSHIP & CERTIFICATIONS

- **Trip Leader** | College Outdoors, Lewis & Clark | September 2021 - Fall 2024
- **Certified EMT & Firefighter** | June 2018 - present

## TECHNICAL PROJECTS

**Personal Home Lab, Technologies: Docker, Kubernetes (k3s), Linux | Ongoing.** Self-host 10+ containerized services as learning environment for Kubernetes, containerization, and system administration. Deployed local AI/LLM stack for experimenting with private model hosting and inference. Configured automated media server infrastructure for personal use. Implemented VPN-secured network for remote access and encrypted data transfer. Use as sandbox environment for testing new technologies before production implementations.

**FIRST Robotics Competition Robot, Technologies: Java, Embedded Systems, Vision Processing | 2016-2018.** Developed first-ever autonomous navigation system in program history combining vision processing with motion profiling. Led programming and electronics for competition robot. Achieved World Championships qualification 2 consecutive years. Mentored 8 team members in Java programming and hardware systems, establishing documentation standards. Collaborated on sensor fusion implementation for precise robot positioning during autonomous period.