

Luther Bell

Austin, TX

(240)778-9536

luthbell4@gmail.com

www.linkedin.com/in/luther-bell

Portfolio Website: portfolioo-steel-one.vercel.app

Experience:

Software Engineer

General Motors — *October 2023 – Present*

- Led the upgrade of multiple Windows Servers from 2012 to 2022
- Automated the installment of applications onto Windows servers using PowerShell and YAML
- Diagnosed and resolved critical production bugs, conducted root cause analysis, and implemented long-term fixes
- Built YAML-based CI/CD pipelines from scratch using Azure DevOps and GitHub Actions, streamlining deployments
- Developed and executed JMeter scripts for performance testing, identifying key bottlenecks and improving scalability
- Used Docker to containerize JMeter test environments, automating performance testing and improving testing consistency
- Designed and implemented new features under tight deadlines to meet urgent business needs
- Conducted peer code reviews and brainstorm solutions
- Actively collaborated in Agile/Scrum projects, providing technical insights during sprint planning and retrospectives

Software Test Engineer

General Motors — *March 2022 – October 2023*

- Automated 300+ test cases, enhancing test coverage and reducing regression effort
- Built end-to-end test automation scripts from scratch using Java Maven and Selenium
- Designed and executed manual test plans to ensure software reliability during early development phases
- Collaborated closely with developers and product owners to define acceptance criteria, reproduce bugs, and verify fixes.
- Integrated automated test suites into CI/CD pipelines to ensure consistent quality during every deployment cycle

Education:

Bachelor of Science in Computer Science/Cyber Security

St. John's University — Queens, New York

May 2021

- **Relevant Coursework:** Data Structures & Algorithms, Software Engineering, Web Development, Database Systems
- **Senior Capstone Project:** Built a full-stack vehicle reporting system that allowed users to use the car's resources to perform tasks on the internet.
- **Activities:** Hackathons, Coding Clubs, Open Source Contributor

Skills:

- **Languages:** Java, C#, Python, SQL, TypeScript, HTML/CSS, Bootstrap, Git, Tailwind
- **Frameworks & Libraries:** .NET, Selenium, JavaCAF, SpringBoot, React
- **DevOps & CI/CD:** Azure DevOps, GitHub Actions, YAML Pipelines, Docker, PowerShell
- **Testing:** UI & API Automation, Manual & Automated QA, JMeter, TFS
- **APIs:** REST, SOAP
- **Tools & IDEs:** Oracle SQL Developer, Microsoft SQL Server, PostgreSQL, Visual Studio, Visual Studio Code, Eclipse, IntelliJ IDEA, Git Bash, EGit, VMware, RedHat OpenShift, VirtualBox
- **Methodologies:** Agile, SAFe
- **Version Control:** Git, GitHub

Personal Projects:

NBA 2K Animation Database - In Progress

Tech Stack: React, TypeScript, Tailwind CSS, Spring Boot, Java, PostgreSQL, REST APIs, Docker (planned), Git

- Built a full-stack web application that lets NBA 2K players search and filter the best MyCareer animations (jump shots, dribble moves, dunk packages) based on build attributes like height, position, 3PT rating, and ball handle.
- Designed and developed RESTful APIs in Spring Boot to serve filtered animation data and support future user-generated content.
- Created a modern, responsive frontend using React and Tailwind CSS, with smooth filtering UI and plans for community features like voting and comments.

NBA Player Stats Web Scraper

Tech Stack: Python, Flask, Next.js, TypeScript, Tailwind CSS, Pandas, Render, Vercel

- Built a full-stack web app to scrape and display real-time NBA player stats using Python, BeautifulSoup, and Pandas.
- Designed a Flask API to serve structured JSON data, deployed on Render with full CORS support.
- Developed a responsive frontend with Next.js and Tailwind CSS, including search functionality to filter player results.
- Implemented Axios-based API integration with robust error handling and clean data presentation.
- Deployed frontend on Vercel and configured cross-origin communication between services.
- Optimized for mobile devices and added dynamic UI elements for seamless user interaction.

Personal Portfolio

Tech Stack: Next.js, TypeScript, Tailwind CSS, Vercel

Live Site: [your-portfolio.vercel.app](#) (← *update with your actual link*)

- Designed and built a fully responsive personal portfolio using Next.js and Tailwind CSS with a modern, mobile-friendly UI.
- Showcased personal projects including full-stack apps, scrapers, and interactive tools, with detailed tech stacks and descriptions.
- Integrated dynamic sections for project filtering, live links, and GitHub source code.
- Customized layout using utility-first Tailwind classes and React components for maintainability and fast iteration.
- Deployed via Vercel for seamless CI/CD, custom domain setup, and fast global delivery.