Jonathan Bluhm

Westminster, Colorado

📞 719-243-9318 ✉️ bluhmjc@gmail.com ⚙️ github.com/johnnybluhm 🌐 jonathanbluhm.com

Summary

Deep thinking, adaptable computer scientist with a passion for programming. Cursed with a never ending thirst for knowledge. Addicted to figuring out how things work. Consumed with the desire to be continuously challenged.

Technical Skills

Languages: C#, Java, Python, Typescript, Javascript, C, SQL, Bash, HTML, CSS
Technologies: Linux, Windows, Asp.net Core, Node.js, Msbuild, Maven, Gitlab CI, Azure Devops, Splunk, Powershell
Other: Data Structures and Algorithms, Agile, Unit Testing, Code Reviews, REST, Microservices, Distributed Systems

Experience

Geico   2023 − Present
Engineer II   *Remote*

- Collaborated with a team of seven engineers to deliver a new streamlined commercial insurance experience. The new experience is web based and leverages the Single Sales Platform. The Single Sales Platform is a Geico system which allows engineers to create insurance activities that can be re used by many different front end systems. In our case they were being used to render HTML to display questions to the users.
- Created various web pages across the Single Sales Platform which assist users in getting timely insurance quotes.
- Maintained many different Azure functions which assist the Single Sales Platform in getting the data it needs to accurately make insurance quotes.

Sphere Commerce   2022 − 2023
Software Engineer   *Westminster, Colorado*

- Worked with a team of nine engineers to improve the stability of the integrated payment application. The integrated payment application is a multithreaded, microservice architecture, cloud based application that processes payments for thousands of clients across the United States.
- Cleaned up unnecessary logs made by our logging service, reducing the amount of data logged to splunk every day from 200GB to 10GB.
- Identified and corrected a memory leak in a long running process. The fix allowed us to change the machine it was running on from an i2 to an i1 instance, saving around $300/month.
- Fixed unit tests that would periodically fail. Due to the multithreaded nature of the integrated payment application, certain unit tests would fail due to timing issues. Many of these were fixed, leading to far quicker builds and easier development.

Dish Network   2021 − 2022
Software Engineer I   *Superior, Colorado*

- Worked closely with eight other engineers to design, develop, deploy, and maintain software applications for the Dish Network uplink center. These applications provide monitoring solutions and IT support for uplink center workers.
- Upgraded six year old website to use modern web development tools. The older website had no modules and tests, so I integrated node.js into the project to allow for dependency management and testing. Developers can now easily modify and expand the website and be confident of their changes.
- Handled on-call issues from stakeholders, saving the company money by minimizing downtime of our applications.
- Mentored new team members, allowing them to contribute to projects with confidence.

United States Navy   2013 − 2017
Nuclear Electrician   *Groton, Connecticut*

- Functioned as an integral part within a watch team to maintain smooth operation of the reactor plant during complex evolutions.
- Solved problems efficiently by referencing manuals and textbooks.
- Retained the vital documentation for maintenance and history of the reactor control system.
- Communicated effectively with peers from a wide variety of disciplines and backgrounds.

Education

University of Colorado Boulder   2019 − 2021
Bachelor of Science in Computer Science   *Boulder, Colorado*

- GPA: 3.76
- Course Work: Linux System Admin, Network Systems, Operating Systems, Robotics, Algorithms, Human Computer Interaction, Data Structures, Cybersecurity, Machine Learning, Calculus 1-3, Probability and Statistics, Linear Algebra