

Abel Asfaw

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GitHub: github.com/abel-asfaw

EXPERIENCE

Redfin | *Software Engineer*

Jan. 2022 – Nov. 2022

Full-stack development on the Selling and Listing Experience (SALE) and Concierge engineering teams using Java, JavaScript, React, LESS, and PostgreSQL.

- Optimized the design and functionality of agent-facing search filters, leading to a 30% increase in positive user feedback
- Developed email templates to create flexibility and consistency for the Concierge email notification system
- Proactively set up syncs with developers, product designers, and product managers to ensure smooth project execution and resolve implementation issues
- Improved engineering processes by conducting interviews with team members to identify and address core issues
- Enhanced team productivity by creating clear and concise documentation for Conductor workflows, reducing troubleshooting needs

Northrop Grumman | *DevOps Engineer Intern*

May 2021 – Aug. 2021

Responsible for automating build and deployment processes for enterprise scale ground system solutions in an agile environment.

- Reduced bi-weekly Minio deployment process from 2 hours to just 6 minutes using Ansible to automate tasks
- Reduced time taken on privilege escalation process for testers and developers by 90%, saving 9 minutes daily
- Increased Ansible adoption by coaching other interns on their Ansible-related tasks

UMBC Department of Computer Science | *Teaching Assistant*

Aug. 2020 – Jan. 2022

Guide 20 students through a weekly exercise to ensure they understand fundamental coding concepts in Python. Hold weekly office hours where students may get help on assignments and any course concepts. Create ideas for assignments.

- Received positive feedback from 90% of students on teaching style, according to surveys
- Optimized instructional approaches based on student feedback, resulting in improved performance on assignments
- Provided detailed, meaningful feedback on graded work to facilitate student growth and success
- Demonstrated expertise in teaching complex coding concepts to students with varying levels of experience and skill

UMBC Academic Success Center | *Computer Science Tutor*

Mar. 2021 – Dec. 2021

Lead tutoring sessions in two introductory computer science courses with 1 to 4 students per session. Help students understand the fundamentals of programming in Python and OOP principles and techniques in C++.

- Developed strong relationships with students, creating a positive and supportive learning environment
- Earned praise from faculty for being a dedicated, effective, and supportive tutor

PROJECTS

GitHub Profile Finder | abel-asfaw.github.io/github-finder

- Created a user-friendly program that uses the GitHub API to search for profiles by username with instant results
- Implemented a range of features, including profile information, repositories with links, and more
- Built the program using JavaScript, HTML, CSS, and Bootstrap, demonstrating expertise in front-end development

SKILLS

Programming Languages | Java, Python, JavaScript, C++, C, HTML/CSS

Tools & Technologies | React.js, PostgreSQL, GraphQL, Git, Docker, Kubernetes

EDUCATION

University of Maryland Baltimore County

B.S., Computer Science | Cumulative GPA: 3.8/4.0

- Relevant Coursework: Software Engineering, Object-Oriented Programming, Data Structures, Design and Analysis of Algorithms, Computer Architecture, Principles of Operating Systems, Computer Security