Isaiah Sherfick
Software Engineer

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Summary

Writing code since 2015 and professionally employed since 2022, I'm an extremely capable and motivated software developer who would fit in anywhere in your IT department from R&D to security. I love solving difficult challenges by leveraging my expertise in software design, networking, operating systems, and cybersecurity to come to a solution.

Experience

Epic Systems Corporation   July 2022 - Present
Software Developer   Verona, WI

- Maintained and enhanced clinical cardiology documentation software

- Effectively utilized modern debugging solutions to fix operation-critical bugs

- Leveraged modern software design patterns like MVVC with C#, TS, JS, React, Python, SQL, and MUMPS code

- Selected as a version control power user to assist other developers during our migration from SVN to git

- Independently managed and completed projects from concept to production

- Ran daily standups and triaged issues to squash bugs

- Contributed to team growth by mentoring a new hire

- Traveled on-site to customer health systems to shadow end users

- Improved launch times by 20% with performance-oriented refactoring

Education

Indiana University - Bloomington
Computer Science   Fall 2017 - Spring 2022
3.992 GPA

- Computer Science MS + BS

- Undergraduate specialization: Software Engineering

- Minor: Music Studies

- Relevant Coursework: Software Engineering, Object-Oriented Software Design, Applied Algorithms, Applied Machine Learning, Operating Systems, Distributed Systems, Computer Networks, Computer Structures, Advanced Database Concepts

Projects

Open Ear Trainer

- https://www.github.com/isaiahsherfick/OpenEarTrainer

- Open source, cross platform ear training app for musicians

- Collaborated with local developers and oversaw the project

- Designed my own music theory data model which allows us to construct chords and intervals in a modular, well-abstracted way

Codebase Insights

- Led a team of 6 for a whole semester in grad school

- VSCode extension to monitor the health of your codebase

- Used metadata from git, Jenkins, SonarQube, and Bamboo to create visualizations

- Color-coded heat map of project files to view "brittleness"

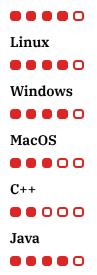- Parsed build stack traces to determine how often filenames appear in crashes

Open Source Contributions

World of Warcraft Hardcore Addon

- Contributed a feature to the most popular (at the time) WoW addon

- Added a checkbox to mute a notification sound for a toast popup

- https://github.com/Zarant/WoW_Hardcore/commit/8f105d5013397ef41b4a867f9d39fb5be226240a

Skills

C
●●●●○

Linux
●●●●○

Windows
●●●●○

MacOS
●●●○○

C++
●●○○○

Java
●●●●○

Python
●●●●○

Docker
●●●○○

C#
●●●○○

SQL
●●●●○

Networking
●●●○○

Security
●●●○○