

Jesse Blacklock

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🌐 linkedin.com/in/jesse-blacklock

Experience

Relativity

Advanced Software Engineer

Remote

Jan 2023 – Present

- Implemented new data retrieval processes, reducing metadata restoration runtime by 65%
- Resolved critical defects, contributing to 99.98% success rate for Processing API service
- Resolved critical defects, contributing to 99.9% success rate for Processing Migrator service
- Created SLI/SLO infrastructure for Processing Migrator service to reflect customer sentiment
- Remediated >200 incidents
- Created / collaborated on >200 internal documents including test case procedures, standard operating procedures, and retrospectives
- Added >100 New Relic widgets to enhance product observability
- Created alerts to enable proactive responses to customer incidents

Mercury Systems Inc.

Software Engineer

Cypress, CA

August 2020 – March 2022

- Created standalone software to support radio frequency equipment testing, reducing testing time by 90%
- Developed GUI components for radar environment simulation projects using C# and WPF
- Provided remote troubleshooting for commercial project, resulting in expanded hardware compatibility
- Increased security compliance for radar simulation projects to >99%
- Created software to interface with radar environment simulation hardware using C++ and SCPI
- Improved development process by generating sprint metrics, including WIP, churn, sprint commitment completion, and velocity
- Authored software user manual for a multimillion-dollar product (90+ pages)
- Maintained internal ECO management software containing 7,000+ documents using PHP and SQL

Skills

Languages C# (WPF, LINQ, Nunit, Fluent Assertions), JavaScript (React, jQuery), HTML5, CSS3, SQL (MySQL), PHP, Python (Tkinter, Pandas), C++, SCPI, Java (JUnit)

Tools Visual Studio, GitHub, Adobe Photoshop, Azure, Confluence, Bitbucket, Jira, Docker, GitKraken, GitHub Desktop, Sourcetree, Android Studio, Jenkins, New Relic, LaunchDarkly, Harness, Prefect

Education

California State University, Long Beach

M.S. IN COMPUTER SCIENCE

Long Beach, CA

August 2017 – May 2020

Thomas Aquinas College

B.A. IN LIBERAL ARTS

Santa Paula, CA

August 2010 – May 2014

Projects

SoapBox

May 2020

- Created chemical engineering software for corporate R&D team using Python and Tkinter
- Collaborated with chemical engineers to implement features that improved formula generation process

Habeas

November 2019

- Programmed cross-platform search engine in four-person team
- Incorporated GUI, Boolean retrieval, and ranked retrieval using C#