

Anthony Hunter Hinnant

Software Engineer

Overview

Software engineer with a background in simulation skilled in application development using Java / C++ / C#, with experience in containerization. Excited about discovering new technologies and possibilities.

Work Experience

AVT Simulation: Software Engineer June 2018 - May 2022

Joint Light Tactical Vehicle November 2021 - May 2022

Trainer for performing maintenance on a Joint Light Tactical Vehicle

- Developed C++ network endpoint to receive PowerDNA messages from a multi-input rackangle chassis.
- Developed test tools to be able to test and troubleshoot system issues without hardware available.

Construction Equipment Virtual Trainer July 2020 - November 2021

A trainer for various construction vehicles hosted on a network of Windows Secure Host-baseline Machines

- Implemented system architecture for a simulation site supporting 11 simulators with up to five different variants.
- Developed Classroom Management Software that interacts with an internal database of simulation data for instructors to get training data and organize classes using C# and Windows Presentation Foundation.
- Created a streamlined process of installing and cold starting a simulation site using Microsoft Deployment Toolkit.

Army Apache Gunnery Trainer December 2019 - July 2020

Trainer for Apache AH-64 Gunnery Systems

- Designed system menus for Gunnery Trainer to simulate AH-64E control and application using GL Studio.
- Implemented C++ back end code to interact with front end systems and simulate AH-64 communication systems, supporting ARC231V radios and multiple message types.

Close Combat Tactical Trainer June 2018 - December 2019

Ground trainer for tanks, bradleys, and HMMWVs.

- Identified, investigated, and resolved hundreds of software bugs for Ada / C / C++ based simulation applications running in a linux environment.
- Enhanced Java based simulation engine in a team of five fixing hundreds of bugs, leading SCRUM meetings in an agile environment.
- Fielded numerous site installations to upgrade simulation systems both nationally and internationally.
- Devised and implemented a plan to re-architect an existing simulation system to run applications in docker containers for five different workstations.
- Boosted potential of the system by upgrading machines from RedHat Enterprise Linux 6 to RedHat Enterprise Linux 7 and performing necessary software changes to facilitate this upgrade

Contact and Links

anthonyhinnant@hinnant.live

(+1) (919) 605-8399

<https://www.linkedin.com/in/anthony-hinnant-b37589247/>

<https://hinnant.live>

Technical Skills

Programming Languages:

Ada, Java, C/C++, Python, Lua, C#, PowerShell, Bash, SQL

Tools/Systems:

Windows, Linux, Microsoft Deployment Toolkit, Atlassian Suite(Jira/Jama/Bitbucket/Bamboo), Visual Studio, Eclipse, GNAT Programming Studio, PostgreSQL

Frameworks:

.NET, Windows Presentation Foundation, Javax, Java Swing,

Cloud Technologies:

Docker

Communication:

English (Native), Japanese (Business-Level Proficiency)

Education

University of Central Florida

Bachelor of Science in

Computer Engineering

August 2013 - December 2018

Certification

Japanese Language Proficiency Test N1 (Highest Level) - December 2021