Luke McConnell

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Luke McConnell is an Software Engineer with one year of software development experience

Skills

Programming Languages	Technologies	Tools
● Java	● SQL Server	● Azure DevOps
● C#	● ActiveMQ	● Visual Studio
● Python	● Docker	● NetBeans
● PowerShell	● Git	● Maven

Professional Experience

Computer Scientist – Department of the Air Force   Aug 2020 - Present

Java, C#, Python, PowerShell, SQL Server, ActiveMQ, Docker, Git, Azure DevOps, Visual Studio

SECRET Security Clearance (Issued: April 2021)

- **Designed** an enterprise-level data translator-messaging software application
  - Consumes novel data streams parsed with custom XML message templates
  - Transports data via TCP/IP and a message broker with the publisher-subscriber pattern
- **Developed** application and simulator prototypes on virtual machines to verify feasibility
  - Tests data processing designs using Java EE 8 and Python 3.8 within Docker containers
- **Composed** a robust click-launch Powershell script for a Java desktop application installation
  - Coordinates start/stop of Windows services with attach/detach of SQL Server databases
- **Contributed** code to add user functions, created stories to solve edge cases, conducted code reviews and formal/ad-hoc testing for an Agile DevSecOps C# ASP.NET application
- **Communicated** with customers and staff in documentation and technical interchange meetings how system engineering requirements become software specifications and design implementation

Education

Bachelor of Science in Computer Science   Aug 2018 - Aug 2020

University of Colorado Boulder – GPA: 3.50

Associate of Science, Cum Laude   Jan 2017 - Aug 2018

Community College of Denver – GPA: 3.65

NABCEP Solar Associate-Level Certification   Oct 2016 - Nov 2016

Solar Ready Vets / OSHA 30 Program

Qualified Navy Nuclear Mechanical Operator   Mar 2011 - Nov 2012

U.S. Navy Nuclear Power Training Pipeline

Military Service

Nuclear Plant Operator – U.S. Navy, Yokosuka, Japan; Norfolk, VA   Dec 2010 - Dec 2016

SECRET Security Clearance (Lapsed: December 2018)

- Safely operated all aspects of an aircraft carrier's nuclear reactor mechanical and fluid systems
- Trained on-watch sailors in nuclear plant casualty scenarios for qualifications and proficiency
- Led small teams through complex operating and maintenance procedures
- Awarded Honorable Discharge, Navy Achievement Medal, and Humanitarian Service Medal