

Luke McConnell

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lukemcconnell.net | github.com/lrmcc | linkedin.com/in/luke-mcconnell

Luke McConnell is a Software Engineer specializing in web and cloud application development

Skills

Programming

- Java
- C#
- Python
- PowerShell

Technologies

- Gradle
- Jenkins
- Containers
- SQL Server

Tools

- Gitlab
- Azure DevOps
- VMware/VSphere
- Jira/Confluence

Professional Experience

Computer Scientist – Department of the Air Force

Aug 2020 - Present

Java, C#, Python, PowerShell, Containers, Jenkins, GitLab, Azure DevOps, Jira

SECRET Security Clearance (April 2021) | Scrum Alliance Certified ScrumMaster (February 2022)

- **Designed**, planned, and prototyped an enterprise cloud application
 - Python prototype accepts data via TCP sockets and publishes to a middleware messaging bus
- **Developed** a containerized data translator Java cloud application
 - Configured a development environment and maintained an automated build pipeline
 - Developed business logic over an enterprise application template
 - Implemented the application's message passing and translation functionality
 - Created tools for injecting generated data into the data translator for testing and validation
- **Contributed** to an in-house status-board web application
 - Multi-threaded C# ASP.NET Razor Page app to display the status of all project burndowns
- **Composed** a Java desktop application update installer
 - PowerShell script to coordinate Windows services/SQL Server databases with file installs
- **Wrote** OOP classes, methods, unit-tests, and reviewed code on multiple Agile Scrum teams

Personal Projects

LukeMcConnell.net - *HTML, CSS, Javascript*

- Designed and implemented a static portfolio website

Education

Bachelor of Science in Computer Science

Aug 2018 - Aug 2020

University of Colorado Boulder – GPA: 3.50

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
- Led teams through complex nuclear plant qualifications, operations and maintenance procedures
- Awarded Honorable Discharge, Navy Achievement Medal, and Humanitarian Service Medal