

Luke McConnell

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Skills

Programming	Tools	Technologies	Techniques
<ul style="list-style-type: none">• Java• Python• C#• Bash/PowerShell	<ul style="list-style-type: none">• Jenkins• Maven/Gradle• AWS/Azure• Jira/Confluence	<ul style="list-style-type: none">• Containers• Virtual Machines• Build Pipelines• Database Servers	<ul style="list-style-type: none">• Agile• Scrum• TDD• OOP

Certifications

CompTIA Security+ – <i>Verification code: 4HF1HDKYG214QRGK</i>	June 2023
Scrum Alliance Certified ScrumMaster – <i>Certification ID: 001318267</i>	Feb 2022

Professional Experience

Software Developer – Freelance – Atami, Japan	Aug 2022 - Present
<i>HTML, CSS, JavaScript, Java, Python, JSON, RESTful API, GitHub, Jenkins, AWS, Ubuntu Server</i>	
<ul style="list-style-type: none">• Designed and deployed websites using HTML/CSS/JS with AWS S3, Route 53, and CloudFront• Built Restful APIs with AWS Lambda, API Gateway, DocumentDB, Simple Email Service• Created an automated development pipeline with GitHub Actions, Jenkins, and virtual machines<ul style="list-style-type: none">◦ Defined GitHub Actions YAML-based configuration files to set automated workflows◦ Configured security and network settings for an Ubuntu Server VM as a self-hosted agent.	
Computer Scientist – U. S. Department of the Air Force – Colorado, USA	Aug 2020 - July 2022
<i>Java, C#, Python, PowerShell, Jenkins, Docker, GitLab, Azure DevOps, Jira, VMware Horizon/vSphere</i>	
<ul style="list-style-type: none">• Developed an enterprise-level Java cloud application for satellite communications data<ul style="list-style-type: none">◦ Established a build pipeline for building code from a GitLab repo on vSphere Jenkins agents◦ Implemented the application's message passing and translation functionality using Java 11◦ Created simulation tools to generate and send mock data for testing and validation◦ Performed code peer reviews to evaluate efficacy, quality, consistency, and maintainability.• Designed, planned, and proposed an enterprise cloud solution for a communications system.<ul style="list-style-type: none">◦ Led a team of five analysts to assess application design, compute, and network requirements◦ Formalized development methods, specifications, testing, releases, schedule, and budget.◦ Proposed and awarded \$2 mil USD initial development budget from program management• Contributed as a developer to an dynamic status board C# ASP.NET Razor Page web application<ul style="list-style-type: none">◦ Wrote unit tests, defined user stories, and maintained software documentation• Composed an application installer with PowerShell for managing services, databases, and files• Fulfilled Scrum Master responsibilities for an agile scrum team with 10 members	

Education

Bachelor of Science in Computer Science	Aug 2018 - Aug 2020
<i>University of Colorado Boulder – GPA: 3.50</i>	

Military Service

Nuclear Plant Operator – U. S. Navy – Yokosuka, Japan; Virginia, USA	Dec 2010 - Dec 2016
<ul style="list-style-type: none">• Awarded Honorable Discharge, Navy Achievement Medal, and Humanitarian Service Medal	