

# Luke McConnell

Software Engineer in Japan specializing in cloud application development

Seeking a remote position | Japanese Permanent Resident

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## Skills

### Programming

- Java
- C#
- Python
- PowerShell

### Tools

- Jenkins
- Maven/Gradle
- Azure DevOps
- Jira/Confluence

### Technologies

- Containers
- Build Pipelines
- Virtual Machines
- Database Servers

### Techniques

- Agile
- Scrum
- TDD
- OOP

## Professional Experience

**Computer Scientist** – U. S. Department of the Air Force

Aug 2020 - Jul 2022

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

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

- Designed, planned, and conducted project analysis on an enterprise cloud application
  - Built a prototype with Python that accepts data via TCP sockets for middleware messaging
- 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 sending generated mock data to the data translator for testing and validation
- Contributed to an in-house status-board web application
  - Completed backlog items on a DevOps team for a C# ASP.NET Razor Page app
- Composed a Java desktop application update installer
  - Formed PowerShell script to coordinate OS services/SQL Server databases with file installs
- Wrote OOP classes, methods, unit-tests, and reviewed code on multiple Agile Scrum teams

## Entrepreneurship

**Software Developer** – Freelance

Aug 2022 - Present

*HTML, CSS, Javascript, Bootstrap, REST API, AWS*

- Designed and implemented a website hosted with AWS S3, Route 53, CloudFront
- Created dynamic form with AWS Lambda, API Gateway, and Simple Email Service

## 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

github.com/lrmcc | lukemcconnell.net