Luke McConnell

Software Engineer in Japan specializing in cloud application development
lukermcconnell@gmail.com | linkedin.com/in/luke-mcconnell | Japanese Permanent Resident

Skills

Programming	Tools	Technologies	Techniques
● Java	● Jenkins	● Containers	● Agile
● C#	● Maven/Gradle	● Build Pipelines	● Scrum
● Python	● Azure DevOps	● Virtual Machines	● TDD
● PowerShell	● Jira/Confluence	● Database Servers	● 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, AJAX, JSON, RESTful API, Github, AWS

- Designed, implemented, maintained a websites hosted with AWS S3, Route 53, and CloudFront
- Created RESTful APIs services 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