Marc Weber

(Mobile) ask   Calgary, AB   marc.weber54@gmail.com

Summary

I am currently a backend developer and DevOps engineer, looking for a position optimally in software development, DevOps, cybersecurity, business analysis, reliability engineering, and/or solutions architecture. I have a wide variety of skills, so I am able to adapt to a wide variety of IT-related professions and train myself on any needed abilities, especially those related to finance, RPA, automation, web backend, containerization, API development, content delivery, signal processing, and rendering/visualization.
I would describe my development style as careful, and I am very used to documenting and refactoring outdated code so others can understand it better.

General Experience

Previous job experience includes automating business tasks using microservices and client applications written in Python, Java, and .NET, and IT/Devops work in Windows Server, Linux, Github, and Bitbucket.

Personal projects include Unity VR development (HLSL, C#) and real-time audio programming (JUCE, C++).

Education

BSc Computer Science
BSc Applied Math
University of Calgary,
December 2021 (before chatGPT)
GPA 3.7

AWS Certified Associate
Solutions Architect
April 2022

Skills

Coding + Engineering

Git (Github / Bitbucket) - 6 years experience
RPA (Python / C#) - 5 years experience
Backend (ASP.NET / NodeJS) - 4 years exp.
Containers (Docker / ECS) - 2 years exp.
Security / Cryptography - educational
Real-time Coding (C++ / Rust) - educational
System APIs (Win32 / Linux) - educational
x86 / ARMv8 Assembly - educational

Operations + SysAdmin

Linux Servers - 5 years exp.
NGINX / Apache Config - 3 years exp.
SQL / NoSQL Databases - 3 years exp.
AWS Architecture - 2 years exp.
DevOps Pipelines - 2 years exp.
Windows Servers / IIS - 1 year exp.

https://linkedin.com/in/marc-weber-a6ba7720a/   https://github.com/marc-weber1

Work Experience

6 years professional experience:

CapitalNOW, Automation Developer; 2018-2021, Contracts
- Software stack contractor, worked independently
- Elicited requirements, designed, developed, and supported custom automation software
- Python, Selenium, REST API Dev, Java, ANTLR, NGINX, uWSGI
- Linux VPS, AWS EC2 instances, Algorithmia

4abyte, Wordpress Developer, 2021-2022, Full Time Contract
- Javascript developer on a team
- Also managed the Linux VPS, migrated Docker containers, database container snapshots, etc

Coredata, Backend Developer + DevOps Engineer, 2022-Present, Full Time
- ASP.NET 6 automation REST API developer on a team
- Automated client business workflows with AWS, Azure, Zoom API, Google Drive API, Onedrive API, Sendgrid API, Pandas, Microsoft SQL Server
- Elicited, designed, developed, documented, tested, deployed, maintained, and provided support for a microservice architecture as needed
- AGILE Sprints, work orders, self-accounting, direct professional client interaction
- Architect and maintainer of DevOps architecture; Ubuntu Server, Docker, Keycloak authentication system, Private NuGet package feed, Bitbucket Pipelines

Passion Projects

Test-Driven Large Language Model - A simple sandboxer for LLMs that regenerates code until all tests are passed, and gathers data for Reinforcement Learning with Compiler Feedback
https://github.com/marc-weber1/TDLLM

OneVoIP - Voice over IP for godot
https://github.com/RevoluPowered/one-voip-godot-4

Open Source Contribution - PUGL, a windowing and graphics library for audio plugins:
https://github.com/lv2/pugl/pull/29

Facade Saturator - An iPlug2 VST oscilloscope
https://github.com/marc-weber1/FacadeSaturator

+ Various work software, under NDA

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