

Marc Weber

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Summary

I am currently a financial automation and web development contractor, looking for a position optimally in cloud development and engineering. 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 automation, site 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I would describe my development style as careful, and I am very used to documenting and refactoring outdated code so others can understand it better.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 methods of accounting and fraud prevention using Python and Java, and some backend web development using NGINX and uWSGI.

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

Education

BSc Computer Science

BSc Applied Math

University of Calgary,

December 2021

GPA 3.7



AWS Certified Associate

Solutions Architect

April 2022

Skills

Coding + Engineering

Python - 4 years professional experience

Version Control (Git / SVN) - 4 years exp.

Backend (Python / NodeJS) - 2 years exp.

Typescript - 1 year exp.

Containers (Docker / ECS) - 1 year exp.

Serverless (Lambda / Gateway) - 1 year exp.

Terraform / AWS CLI - 1 year exp.

TLS / Cryptography / Certificates - educational

Low-Level Sockets - educational

Real-time Coding (C++ / Rust) - educational

System APIs (Win32 / Linux) - educational

x86 / ARMv8 Assembly - educational

Operations + SysAdmin

NGINX / Apache Config - 2 years exp.

SQL / NoSQL Databases / AWS RDS /

DynamoDB / Aurora - 1 year exp.

AWS VPC Config - 1 year exp.

Linux Servers - 2 years exp.

<https://linkedin.com/in/marc-weber-a6ba7720a/>

<https://github.com/marc-weber1>

Work Experience

4 years professional experience:

CapitalNOW Inc, Automation Developer; 2018-2021, contracts

- Software stack contractor, worked independently
- Elicited requirements, designed, developed, and supported custom software
 - Python, Selenium, API Dev, Java, ANTLR, NGINX, uWSGI
 - Linux VPS, AWS EC2 instances, Algorithmia

4abyte, Wordpress Developer, 2021-2022, contracts

- Javascript developer on a team
- Also managed the Linux VPS, migrated Docker containers, database container snapshots, etc

Projects

Open Source Contribution - PUGL, a windowing and graphics library for audio plugins:

<https://github.com/lv2/pugl/pull/29>

Serverless Events API - A terraform project for creating a serverless API on AWS for scheduling and looking at events

<https://github.com/marc-weber1/events-api-serverless>

Facade Waveshaper - A JUCE audio plugin for monitoring and altering sound waves

<https://github.com/marc-weber1/FacadeWaveshaper>

Skybox Painter - A texture editor for game engine skyboxes

<https://github.com/marc-weber1/skybox-painter>

Poker Bot - An older poker game integrated into the API of a chat app, set up for a convention tournament

<https://github.com/marc-weber1/FEHPokerBot>

+ Various financial software, under NDA