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 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I would describe my development style as careful, and I am very used to documenting and refactoring outdated code so others can understand it better.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

RPA (Python / C#) - 5 years experience

Version Control (Git / SVN) - 5 years exp.

Backend (NodeJS / ASP.NET) - 3 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.

Work Experience

5 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, 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

Coredata, RPA Developer, 2022-Present, Full Time
- ASP.NET 6 automation API developer on a team
- Automated client business workflows with AWS, Azure, Zoom, Google Drive, Onedrive, Sendgrid, Excel, 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

Passion Projects

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

Facade Waveshaper - An iPlug2 VST audio plugin for monitoring and altering sound waves
https://github.com/marc-weber1/FacadeSaturator

Sound Animator - A hacky way to make Unity animations in Ableton Live
https://github.com/fractalysis/SoundAnimator

Skybox Painter - A texture editor for game engine skyboxes
https://github.com/marc-weber1/skybox-painter

+ Various work software, under NDA

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