Michael Ewers

Software Engineer

Eager to learn software engineer ready for new challenges and exciting development.

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EDUCATION

B.S. Computer Science
Northern Arizona University

08/2015 - 05/2020   *Flagstaff, AZ*

WORK EXPERIENCE

Software Developer
simPRO Software

10/2020 - Present   *Broomfield, CO*

SaaS Company providing management software to the trades industry.

Achievements/Tasks

- Feature development team designed and built middleware using Python, Flask, MongoDB, Redis, JavaScript, and Docker to communicate with simPRO and other financial ERP Softwares via REST APIs.
- Designed and Implemented user stories from product owner as new features in middleware.
- Worked with AWS to deploy our middleware to Development, QA, and Production servers.

Student Software Engineer
Soundscapes2Landscapes

08/2019 - 05/2020   *Flagstaff, AZ*

A company funded by NASA looking to learn and understand more about Biodiversity changes through Analyzing audio recordings.

Achievements/Tasks

- Consulted with clients to determine necessary requirements for Web application software system.
- Student team designed and built web application with Python, Flask, React.
- Delivered and deployed final web application and standalone application product to clients with satisfaction.

"QuickFit" Echo Skill Developer
CreativeDevvers - Amazon Skill Store

01/2017 - 02/2018   *Santa Fe, NM*

Solely Developed.

Achievements/Tasks

- Solely built and deployed an Amazon Echo skill with Python and AWS services: DynamoDB, Lambda, S3, and CloudWatch.
- "QuickFit" Skill received 2100 Individual users within 3 months of being deployed to Amazon Skill Store.

SKILLS

Skill	Level
Python	●●●●○
Java	●●●○○
Flask/React	●●●○○
.NET/C#	●●○○○
AWS Services	●●○○○

PERSONAL PROJECTS

Automated Instagram Poster - Python (11/2021 - 12/2021)

- Utilized Python PRAW library to scrape daily content from Reddit and used Python PILLOW library to edit self-designed template JPGs to create Instagram Content.
- Configured RaspberryPI home webserver to accept Instagram's callback when making requests. Then Accessed Instagram REST API to be able to post content automatically.
- Designed script to run on RaspberryPI to run every 2 hours to find and create content and post to the Instagram account.
- Utilized MongoDB to store new and old content that has been collected and posted.
- Acknowledged content created by Reddit users and gave credit where due, did not take any credit for content created by the script.

React.js Personal Website (05/2020)

- Created a static website using Github Pages to display information about me.
- Configured React hash router to display multiple pages on static website.

Reverse Engineered Binary Data to Extract Videos (07/2020)

- Determined location of video data within a binary file of a proprietary video system.
- Created .NET/C# program to read the binary and separate the video data from the system.
- Implemented methods to then write two files with the separated video data.

ORGANIZATIONS

NAU Esports (01/2018 - 05/2020)

Co-Creator of the Rainbow 6: Siege Branch of NAU's Esports Club.

INTERESTS

Hiking   Camping   Ski/Snowboarding   Ceramics

Competitive Gaming