

Charles Hetterich

chetterich.com

SUMMARY

Over 4 years of professional software development and product design experience. Experience overseeing & guiding the development of software products. Focused on finding repeatable, scalable solutions. Microservice and product ownership oriented. Effective full stack engineer responsible for handling design, software architecture, & big data.

HOBBIES

Oil Painting, Exercising, Guitar, Bass, Piano, Music Composition, Photography, Traveling, Hiking, Podcasting, Digital Art, Sewing

EXPERIENCE

2021 - 2022

Buffalo

E SOURCE | Software Engineer

Java

Python

AWS

Cassandra

- Design effective Cassandra query patterns to support Data Science analyses
- Create CI/CD pipelines to handle test coverage and deploying packages/services
- Develop & orchestrate multiple microservices across many AWS technologies
- Manage & optimize complex data pipelines

2022 - Present

Austin

DELL MEDICAL | Research Software Developer

Python

PsychoPy

- Delivered multiple PsychoPy tasks to be used in trials with participants, primarily focused on psychedelic substances
- Revamped development process for quick deployment/accessibility across devices

2019 - 2021

Remote

FREELANCE | Project Manager & Full Stack Developer

Swift

Node

- Organized & executed plans with clients to create apps they had conceptualized
- Configured AWS environment (EC2 Servers, RDS Databases, & S3 Cloud Storage)
- Managed, refactored, & scaled backend codebase as project complexity increased
- Reviewed & selected among several potential teams to build product

2018 - 2019

Buffalo

MBMS | Software Engineer Intern

C#

SQL

JavaScript

- Created a production ready application that is used with other MBMS products
- Developed integration testing system that automatically steps through UI
- Responsible for creating & maintaining technical documentation

EDUCATION

MASTERS OF DATA SCIENCE

University of Texas at Austin

*2023 | 3.7 GPA

BACHELORS OF SCIENCE

COMPUTER SCIENCE

University at Buffalo

2020 | 3.6 GPA

SKILLS

Python

R

Golang

Swift

TypeScript

Java

SQL/CQL

JavaScript

C++

C#

Docker

Software Architecture

React/React Native

Cassandra

Kubernetes

Product Design

Figma

AWS