

# Christopher Harrison

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## TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, TypeScript, ES6, C#, Java, HTML, CSS, Appian
- **Data/Database:** Microsoft SQL Server, PostgreSQL, MySQL, MongoDB
- **Libraries/Platforms:** FastAPI, React, ASP.NET MVC, Flask, SciKit-Learn
- **Skills/Tools:** Git, GitHub, RESTful APIs, JWT, Figma, ORM, Heroku, Postman

## EDUCATION

B.S. Computer Science, Western Governors University - Salt Lake City, UT Fall 2021

*Relevant Coursework:* Data Structures and Algorithms, Computer Architecture, Advanced-Data Management, Networking and Security, Operating Systems for Programmers, Software Engineering, Artificial Intelligence

B.S. Digital Culture, Arizona State University – Tempe, AZ Winter 2013

## CERTIFICATIONS

CompTIA Project + | ITIL Foundations | CIW Site Developer Associate | Appian Senior Developer

## PROJECTS

Phoenix Rent Predictor Machine Learning App (Python, Flask, Bootstrap, Heroku) [View Live Application](#)

- Full-stack machine learning web application built for users to enter features of an apartment located in Phoenix, Arizona, and receive an accurate prediction of the rental price based on 2020 data.

Social Media API (Python, FastAPI, PostgreSQL, Docker, Heroku) [View Live Application](#)

- RESTful API backend where users can create accounts, submit posts, and view and vote on other users' posts. Hosted on Heroku through a custom Docker image.
- Authorization and authentication are managed through the use of JWT tokens.

Task Tracker Management App (C#, ASP.Net Core 6, PostgreSQL, Heroku) [View Live Application](#)

- RESTful API backend where users can create, read, update, and delete their tasks. Each task can be organized by category to track related tasks throughout the application.
- Microsoft Identity-based authentication and authorization scheme, with email validation.

Harbor In (Python, React, TypeScript, Next.JS, FastAPI, PostgreSQL) - In Progress

- Harbor reservation application where users can rent ports for boats and dockmasters can manage boating port slots and set reservation schedules.

## PROFESSIONAL EXPERIENCE

### **Software Developer & Owner**

Dec 2022 – Present

LoopLabs Solutions

Remote

- Collaborate with clients to gather project requirements, provide technical expertise, and translate client needs into actionable development plans.
- Front end development with Next.JS and creating back-end APIs with C#, Python, and SQL databases.

### **Software Developer Consultant**

July 2022 – January 2023

Macedon Technologies

Remote

- Developed user interface and back-end enhancements for internal recruiting products and project tracking applications with Appian and MariaDB.
- Utilized a comprehensive approach to database optimization by leveraging indexes, views, and performance analyzers, resulting in streamlined query processes, improved system performance, and enhanced user experience.
- Consult directly with clients to gather requirements and give product demos at the end of every Agile sprint cycle.