

# Ben Belnap

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## PROFESSIONAL EXPERIENCE

### Willis Towers Watson

Salt Lake City, UT

Database Engineer

Nov 2020 - May 2025

- Designed and optimized SQL Server schemas and implemented stored procedures, triggers, and functions to improve query performance by up to 300%
- Redesigned destination tables for the Log File Analysis ETL (C#, Azure Functions), resolving ingestion bottlenecks and increasing throughput by over 100%
- Owned the Loss of Funding process for two years: enabled customer teams to recover \$1.5M+ annually by refactoring legacy code, resolving production defects, and producing documentation and trainings to transfer ownership

### Rocket LLC

Remote

Database Engineer Intern

May 2025 - Aug 2025

- Implemented CI/CD pipelines and enforced automated tests for the Data Archiver project to improve deployment reliability
- Optimized SQL Server stored procedures, often increasing performance by 5x or more; advised Postgres indexing using pganalyze

### Utah High School Cycling League

Utah

Chief of Timing (IT Support)

Jul 2022 - Present (seasonal)

- Deployed and maintained on-site timing and computer infrastructure; trained volunteers and race staff on operations
- Supported 1200+ racers across 10+ annual events with zero major system failures

## EDUCATION

### Western Governors University

Salt Lake City, UT

Bachelor of Science, Computer Science

2025

### Utah Valley University

Orem, UT

Associate of Science

2020

## TECHNICAL SKILLS

Python

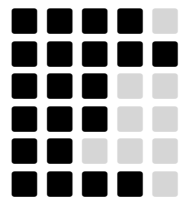
SQL (T-SQL)

C#

AWS

ETL Pipelines

Agile



## PERSONAL PROJECTS

- **House Price Prediction: (click me!)** House Price Prediction — Python (Pandas, Scikit-learn, XGBoost) — data cleaning, ML training, and visualizations.
- **Parry God:** 48-hour game jam — Godot (GDScript) — complete game built in Godot under tight deadline with one partner.
- **Club Penguin AI:** Creative automation project — Python (pyautogui) — YouTube demo.
- **Magic the Gathering AI:** Game AI project — Python (pyautogui) — YouTube demo.

## PORTFOLIO

- **YouTube:** youtube.com/playlist
- **GitHub:** github.com/BenjaBelnap

## TOOLS & CERTIFICATIONS

- **Tools:** Visual Studio, Copilot, GitHub, Docker, SSMS, Excel, Jira
- **Certifications:** CompTIA Project+, ITIL 4 Foundations