

Huseyn Tahirli

Software Engineer

huseyntahirli.com • huseyntahirli123@gmail.com • www.linkedin.com/in/huseyntahirli

PROJECTS

VoltView

Energy Monitoring Platform

- Developed esp32 **microcontroller software** for publishing **real-time power metrics** on household breaker-box, **using C/C++, SQLite, and TCP/IP** to enable early detection of overrun power usage.
- Developed **web application** for viewing and downloading usage metrics, using **React, Vite, Supabase (SQL)**, allowing users to have to have realtime data access
- Designed and implemented a **backend data pipeline** and database schema using **Supabase (SQL) and REST APIs** to reliably store and sync power usage data from ESP32 devices, ensuring accurate historical tracking and preventing data loss during real-time monitoring.
- Implemented real-time data synchronization and authentication logic using **Supabase and web APIs** to securely **manage user access** and live energy metrics, allowing multiple users to monitor their power consumption safely and efficiently.

GalleryCloud

Full-Stack Application

- Developed a full-stack image gallery application using **Next.js, React, and Supabase Storage** that allows users to create and manage separate image collections, providing organized and scalable image storage.
- Implemented **image upload, retrieval, and deletion workflows** using **Supabase Storage APIs and Next.js** server actions to manage files per gallery bucket, enabling reliable cloud storage and preventing data overlap between galleries.
- Designed dynamic **gallery selection** and rendering logic using **React components and server-side** handling in **Next.js** to let users switch between multiple cloud galleries in real time, improving organization and ease of use.

SKILLS

Frontend & Backend Technologies:

JavaScript • React • Next.js • Vite • HTML • CSS • Node.js • Express • C++ • Java • Python • Typescript

Databases, Systems & Tools:

Supabase • SQLite • SQL • Distributed Programming • Git • GitHub • Agile/Scrum • Linux • Windows •

EDUCATION

GANNON UNIVERSITY

Bachelors of Science in Computer Science

3.4 gpa

2022 - 2026 Erie, PA

INTEREST

CHESS

I have played chess professionally in middle school, and love to play it whenever I get a chance

MATH

Won a national math competition in high school and kept building my skills through more advanced math courses in college