

Joshua Hernandez

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EXPERIENCE

Wayhome

August 2025 - Present

Full Stack Software Engineer Intern

Remote

- Maintain and develop features for full-stack web applications in a fast-paced startup environment, utilizing **Ruby on Rails**, **PostgreSQL**, and **Redis** to enhance performance, reliability, and usability for an active and growing user base.
- Streamline deployment through version control and **CI/CD** improvements using **Git** and **GitHub Actions**, reducing deployment time by 40% and eliminating production rollbacks.
- Migrated the locality system to PostGIS using **SQL**, **NoSQL**, **Python**, **Docker**, and **Bash**, refactoring pipelines and queries to standardize geospatial data handling and achieve **100% successful imports** to staging and production.

PERSONAL PROJECTS

Analytics Dashboard & Data Pipeline | [Grafana](#)

March 2025 - Present

Data Engineering & Visualization Project

- Created a **C#/.NET** data pipeline to extract in-memory data from the target application, exporting it to large **CSV** files for processing and ingestion into **InfluxDB** for real-time analysis.
- Designed InfluxDB architecture for continuous data ingestion, optimized queries, and applied retention policies to handle **150,000+ daily data points** across 300+ entities.
- Developed a **Grafana** dashboard visualizing 100+ time series metrics, aggregated totals, bar charts, and alert gauges, enabling comprehensive monitoring and quick identification of critical values and trend analysis.

Live Video & Audio Chat Platform | [GitHub](#)

May 2025

Full Stack Communication Platform

- Engineered a real-time communication platform exploring **WebRTC**, building a **RESTful API** backend in **Node.js** with 10+ endpoints and achieving sub-20ms response times for 20+ concurrent users per room.
- Integrated peer-to-peer architecture with **React** frontend, **Socket.IO**, and **WebRTC** for seamless audio/video calling and text chat, achieving **95% connection success rates** while handling network instability.
- Architected a presence detection system with automatic reconnection logic and real-time user status broadcasting using **JavaScript** and **Socket.IO**.

Task Automation System | [GitHub](#)

May 2023 - Present

C#/.NET Automation Project

- Implemented low-level **C#/.NET hooks** into the target application, enabling automatic interactions and direct access to in-memory objects and systems.
- Developed C#/.NET automation plugins compiled into **DLLs**, serving **100+ active users** with real-time state tracking and application event handling.
- Automated **CI/CD** pipeline using **GitHub Actions** and **PowerShell** to synchronize 5+ repositories, update a master configuration file, and reduce manual deployment effort by 75%, ensuring users receive the latest updates daily.

Social Media Web App | [GitHub](#)

June 2025 - Present

Full Stack Web & DevOps Project

- Built a full-stack social platform using **React** and **TypeScript** for the frontend, **Node.js**, **Express.js**, and **PostgreSQL** for the backend, supporting real-time posts, comments, profile management, and direct messaging.
- Designed JWT-based authentication with **email verification** and **rate limiting** to prevent abuse and enhance security.
- Deployed the application with **Docker** on **AWS EC2**, using automated log management and 30-day retention policies to reduce maintenance overhead.

SKILLS

Languages: JavaScript, TypeScript, C#, C++, Python, Ruby

Frontend & Backend: React.js, HTML, CSS, Node.js, Express.js, .NET, Ruby on Rails

Databases: PostgreSQL, InfluxDB, MySQL, MongoDB, GraphQL, Redis

Cloud & DevOps: Docker, Kubernetes, AWS, Git, GitHub Actions, PowerShell, CI/CD, Bash

Tools & Concepts: Data Structures & Algorithms, REST APIs, Grafana, WebRTC, Socket.IO, Figma

EDUCATION

Oregon State University

Expected Graduation June 2027

Bachelor of Science, Computer Science

Corvallis, OR

- **Coursework:** Data Structures and Algorithms, Software Engineering, Operating Systems, Computer Architecture
- **GPA:** 4.00/4.00