

# Alejandro Hernandez

## SOFTWARE ENGINEER



Rock Hill, SC



786-370-3661



[AlejandroRak2@gmail.com](mailto:AlejandroRak2@gmail.com)



[www.alexrak2.com](http://www.alexrak2.com)



<https://github.com/AlejandroRak2>

### TECHNICAL SKILLS

#### Programming Languages & Frameworks:

- C#
- ASP.NET
- Python
- JavaScript
- TypeScript
- HTML
- CSS
- MySQL
- Node.js
- REST API
- SQL
- React
- Next JS

### SUMMARY

Innovative Software Engineer with over three years of experience specializing in C# development, full-stack solutions, and production environment optimization. Skilled in building scalable applications, customizing ERP systems, and multiplayer games with a strong focus on performance and reliability. Adept at working in live production environments and addressing real-time challenges. Eager to leverage my technical expertise.

### WORK EXPERIENCE

#### Development Associate

Avante Health Solutions, Concord, NC | April 2024 – Present

- Customized ERP solutions using **C#**, enhancing functionality for hundreds of end users in a live production environment.
- Wrote complex **SQL scripts** for custom database views and mass data imports, improving data accessibility.
- Managed tasks through a ticket system, boosting team efficiency by 30%.

#### Software Developer

S.P.I. (Secure Process Intelligence), Fort Mill, SC | April 2023 – April 2024

- Developed data analytics dashboards using **HTML, CSS, JavaScript**, and **Python** for real-time data visualization.
- Automated monthly reporting for over 100 customers, reducing reporting time by 40%.
- Created tools for attribute updates and automatic label printing, streamlining operational workflows.

#### Game Programmer

Havoc - Self-Published, Remote | January 2021 – August 2024

- Developed a multiplayer FPS game in **Unity** with **C#** and Mirror networking, achieving 180,000+ downloads on Steam.
- Integrated **Steamworks API** for online matchmaking, leaderboards, and achievements.
- Built a **Node.js** web server for banning requests and data storage, enhancing backend management.

#### Repair Technician

uBreakiFix / CPR CellPhone Repair, Tallahassee, FL / Rock Hill, SC | October 2020 – November 2023

- Certified technician for Apple/Samsung, repairing smartphones, tablets, laptops, and game consoles.
- Performed diagnostics and repairs using specialized tools, maintaining a high success rate.

### PROJECTS & GITHUB PORTFOLIO

#### Chat-Application | ASP.NET, C#

- Developed a real-time chat app using SignalR for live updates and multi-user communication.
- Designed scalable architecture to support future enhancements.
- Improved message delivery speed by 25% and reduced server load by 15%.
- **GitHub:** [Chat-Application](#)

#### AuthenticationApp | ASP.NET, C#

- Engineered a custom authentication system with secure login, registration, and role-based access.
- Integrated encryption protocols for enhanced data security.
- Reduced unauthorized access attempts by 40%.
- **GitHub:** [AuthenticationApp](#)

### **Unity-Fishnet-Steam-COOP-Party-System** | Unity, C#, Fishnet, Steamworks API

- Developed an advanced COOP party system integrating Steamworks for matchmaking and lobby management.
- Enhanced player statistics tracking and session management.
- **GitHub:** [Unity-Fishnet-Steam-COOP-Party-System](#)

### **Unity-Mirror-HostMigration** | Unity, C#, Mirror Networking

- Built a host migration system to maintain game continuity during host disconnects.
- Designed to dynamically reassign the host role while preserving game state.
- **GitHub:** [Unity-Mirror-HostMigration](#)

### **Bank-App** | ASP.NET, C#, HTML

- Created a banking app simulating transactions, account management, and balance tracking.
- Implemented transaction logging and validation for accuracy and security.
- **GitHub:** [Bank-App](#)

## **EDUCATION**

- **Associate Degree in Information Technology**  
Tallahassee Community College | February 2021

## **CERTIFICATIONS**

- **CompTIA A+ Certification** | December 2023
- Demonstrated proficiency in core IT functions including hardware/software installation, troubleshooting, and network connectivity.