

Keven Hernandez Alonso

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Summary

App Developer and National Guard service member with a strong background in software development, focused on supporting implementation processes through data analysis. Improved patient care and operational efficiency through data analysis and automation efforts. Utilized Python, SQL, and Tableau for generating comprehensive reports and insights. Worked on repairing and troubleshooting Army helicopters including UH-60s and Chinooks. I currently hold a security clearance. I'm most experienced with the Rust/Go ecosystem and building app libraries. My portfolio and personal site:

<https://eskev.com>

Skills

Electrical: Schematics, Avionic Systems, Radios, UH-60s

Languages: C++, Rust, Typescript, Java, Python, SQL, Go

Frameworks / Software: Git, Unix, Tableau, Excel, Node, CMake, Spring

Web: React, Microservices, REST, Authentication, MVC, Express

Math: Integral Calculus, Probability & Statistics, Linear Algebra

Work Experience

iA Pharmacy Fulfillment

Binghamton, NY

Software Engineer

Jan 2025 - Present

- Implement code solutions for a number of applications and services that run parallel to the main automation software.
- Unit test, regression test, and patch validate for numerous appservers to ensure they satisfy customer needs.
- Work with our fulfillment solutions test team to track down bugs related to the database or the application itself.
- Continuously improve the design and usability of our automation software to ensure it meets quality standards.
- Implement software that integrates seamlessly with the solutions from the robotics team.

Army National Guard

Rochester, NY

Avionic Mechanic (Graduated Oct 2024)

Oct 2024 - Present

- Troubleshoot mission critical avionic systems.
- Interpreted schematics to diagnose electrical faults.
- Performed wire replacements and repairs.

Luck Grove

Binghamton, NY

Field Surveyor

Sep 2023 - Jan 2024

- Provided detailed and accurate information to support project planning.
- Effectively communicated findings and offered technical guidance.
- Collected and mapped data using software for Fiber Optics contractors.

Education

Saint Peter's University - BSCS | 1-222 AVN REGT - Avionic Mechanic

I've also taken extensive online courses on code architecture, physics engines, OpenGL (modern), GUI design.

With ten years of experience rooted in OOP and C#, I have since specialized in Rust and Go development. My expertise also encompasses other programming paradigms, such as functional programming, with which I have practical experience.

Personal Projects

Parsers

- Extract structured information from PDF documents, using Langchain and OpenAI.

3D Physics

- Simulating movement through rigid body dynamics, particle physics, and matrices.

Full-Stack

- YouTube clone with back end including user auth, upload and view capabilities.

Achievements

B. CO. 1-222 AVN REGT Honor Graduate - 15N Class 012-24 | Drill & Ceremony | Best Warrior | COMPTia ITF+