Erick M. Herrera Cabrera

Full-Stack Software Developer

erickmherrera@outlook.com | 719-922-5372 | Colorado Springs, CO (Open to relocate)
🔗 LinkedIn | 💻 GitHub | 🌐 Portfolio

Professional Summary

Results-driven Full-Stack Developer with 2+ years of experience building scalable software applications using modern frameworks. Proven track record of process optimization and automation, having reduced manual processing time by 40% through innovative solutions. Strong background in both frontend and backend development with expertise in React, Node.js, and database management.

Leveraging AI tools:

- Cursor
- OpenCode
- Claude

Technical Skills

Frontend Development

- React.js, React Native, Next.js, Tailwind
- HTML5, CSS3, JavaScript (ES6+), TypeScript
- Responsive Design, Bootstrap, UI/UX principles
- C++
- QT framework (c++)

Backend Development

- C++
- Node.js, Express.js, RESTful API design

- Python scripting and automation
- Database design and optimization (MongoDB, MySQL, SQLite)
- Authentication, authorization, and security best practices

Development Tools & Practices

- Embedded systems (Arduino/Elegoo)
  - Certified with Arduino
- Git version control, GitHub
- Docker containerization
- Agile methodologies
- Testing frameworks and debugging

Professional Experience

Customer Service Representative | *Keysight Technologies* | 2023 - Present

- Maintain high customer satisfaction while developing technical solutions for complex product inquiries

Business Process Analyst | *Keysight Technologies* | 2021 - 2023

- **Led automation initiatives** for inbound email processing using Salesforce functionality, **reducing manual processing time by 40%**
- **Saved 15+ work hours weekly** through implementation of process improvements and workflow optimization
- Conducted waste walks and value stream mapping to identify and eliminate process inefficiencies
- Developed and maintained comprehensive documentation for critical business processes
- Collaborated with cross-functional teams to implement scalable solutions

Customer Service Representative / Customer Technical Assistant | *Keysight Technologies* | 2019 - 2021

- Provided technical support for complex electronic testing equipment

- Developed problem-solving skills through troubleshooting hardware and software issues

Intelligence Specialist | *U.S. Coast Guard* | 2016 - 2018

- **Led a team of 4 junior personnel** in daily operations and training initiatives
- Analyzed and compiled intelligence reports using specialized software tools
- Managed sensitive data while maintaining strict information security protocols

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Personal Projects

HVAC SaaS Web Application | *MERN Stack* | [GitHub Link](#) |

- Developing a comprehensive inventory management system for HVAC companies
- Implemented advanced search functionality across multiple data tables
- Built responsive React frontend with real-time data updates
- Designed RESTful APIs with Node.js and Express.js
- Integrated MySQL for efficient data storage and retrieval
- **Technologies:** React, Node.js, Express.js, MySQL, Tailwind CSS

Personal Portfolio Website | *Next.js* | [GitHub Link](#) |

- Built modern, responsive portfolio showcasing technical projects and skills
- Integrated contact form with backend API endpoints, and automatic reply system
- **Technologies:** Next.js, React, TypeScript, Tailwind CSS

Cryptocurrency Wallet | *C++* **|** [GitHub Link](#)

- Cross-platform cryptocurrency wallet designed for secure and easy management of your digital assets. It's built with a modern, intuitive user interface using the Qt Framework and is configured for cross-platform compilation using CMake.
- Utilizes industry-standard cryptographic libraries for secure and reliable transactions.
- Built with CMake to ensure compatibility across various operating systems, including Windows, macOS, and Linux.

Education

Bachelor of Science in Computer Science | *Southern New Hampshire University* | Oct 2024

- Concentration: Software Development

Associate in Computer Science | *Pikes Peak Community College* | Dec 2021

- Foundation in programming fundamentals and computer science principles

Intelligence Specialist Training | *U.S. Coast Guard Training Center* | Feb 2017

- Specialized training in data analysis and information security protocols

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Professional References

Ken Roush | *Manager, Keysight Technologies*
✉ ken.roush@keysight.com

Reyna Alvarenga | *Manager, Keysight Technologies*
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Barb Thomas | Previous *Manager, Keysight Technologies*
303-506-3375

Available for immediate interviews and open to relocation.