

Kevin Pierce Chan Ramos

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EDUCATION

University of Nevada, Las Vegas

Bachelor of Science in Computer Science

May 2025

Relevant Course: Algorithms, Automata Theory, Compiler Construction, Operating Systems, System Programming, Programming Languages, Software Design, Cloud Computing, Databases, Machine Learning

EXPERIENCE

Technical Solution Specialist

October 2025 - Present

Richtech Robotics | Las Vegas, NV

- Installed and configured service robots in Linux environments to ensure stable communication and performance.
- Utilized Python, C++, and shell scripting to automate diagnostics, logging, and calibration verification.
- Applied VS Code, Git, Docker, and Nmap for debugging, containerized testing, and secure SSH connectivity.
- Integrated robot software modules and optimized performance through data analysis and compatibility testing.
- Collaborated with engineers to refine deployment workflows and improve configuration reliability.
- Authored setup guides, automation scripts, and troubleshooting documentation for efficient operations.

LANGUAGES & SKILLS

JavaScript | HTML | CSS | C++ | Python | SQL | Docker | JFlex | Java CUP | Git/GitHub | Java | React | Next.js |

PROJECTS

Espresso Compiler — Java, JFlex, Java CUP

- Implemented lexer, LALR parser, AST + symbol table, and type/modifier checking for a course language
- Built error reporting and a test harness to validate positive/negative cases

EulogyQuest (Capstone) — React, Node.js/Express, Docker, PostgreSQL

- Designed an architecture-first system with REST services, auth, and containerized dev env (Docker Compose)
- Authored ADRs and an API spec; enforced code quality via CI checks and code reviews

Developer Portfolio — Next.js, React, Vercel, GitHub API

- Built a responsive portfolio with dynamic repo cards via serverless functions; optimized Core Web Vitals
- Automated preview deploys and analytics to iterate on UX and performance

GitHub Profile Analyzer — Python, Flask

- Aggregates GitHub activity via API and summarized contributions/repo stats from a personal dashboard
- Practiced API integration, pagination, and lightweight backend design

CERTIFICATIONS

IBM Full-Stack Developer, Coursera

October 2025

AWS Certified Cloud Practitioner, AWS

In-progress