CARTER RODRIGUEZ

Lead Software Engineer | Modern C++ Expert | Architecture Design

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📍 Jacksonville, Florida

SUMMARY

Dedicated engineer with over 7 years of experience in modern C++ development, specializing in software architecture and team leadership. Proven track record in process improvement, resulting in efficient, cross-functional team workflows.

EXPERIENCE

Lead Software Engineer

Tech Innovations Inc.

📅 06/2018 - Present   📍 Jacksonville, Florida

- Directed a team of 10 engineers, achieving a 25% reduction in project turnaround times by enhancing development methodologies.
- Implemented a continuous integration/continuous deployment pipeline that increased deployment frequency by 40%.
- Architected and led the development of a new real-time analytics platform, processing over 500GB of data daily.
- Spearheaded a cross-department initiative to develop software for next-gen products, securing a 15% market share increase.
- Administered code reviews and provided mentorship, enhancing code quality and reducing post-deployment hotfixes by 30%.
- Advocated for agile development practices, elevating team delivery predictability and project transparency.

Senior Software Developer

GlobalTech Solutions

📅 01/2015 - 05/2018   📍 Miami, Florida

- Transitioned the company's codebase to Modern C++, resulting in a 20% improvement in system efficiency.
- Collaborated in a mixed Linux and Windows environment, reducing cross-platform development issues by 50%.
- Authored a custom embedded system interface, facilitating direct hardware communication for 5 product lines.
- Led the adoption of the Git version control system, enhancing team collaboration and code management.
- Optimized existing software architecture, improving product performance and scalability for client deliverables.

Software Engineer

Creative Code Labs

📅 08/2010 - 12/2014   📍 Orlando, Florida

- Developed and implemented a new feature set for a core product, increasing user engagement by 35%.
- Contributed to reducing system downtime by 25% through effective troubleshooting and debugging.
- Enhanced team's development practices, cutting down code review times by 20%.
- Initiated a peer programming initiative that improved overall code quality and team skill level.

EDUCATION

Master of Science in Computer Engineering

Florida Institute of Technology

📅 01/2008 - 01/2010   📍 Melbourne, Florida

Bachelor of Science in Computer Science

University of North Florida

📅 01/2004 - 01/2008   📍 Jacksonville, Florida

PROJECTS

Open Source Gimbal Interface Library

Developed an innovative gimbal hardware interface library, optimizing communication protocols and released it to the open-source community. Source available at github.com/carterrodriguez/gimballib.

Embedded Analytics Engine for IoT

Created a lightweight analytics engine to process IoT device-specific data in embedded linux environments, open-sourced for community collaboration. Details at github.com/carterrodriguez/embeddedanalytics.

KEY ACHIEVEMENTS

⭐ **Best Software Architecture Award**

Recognized by Tech Innovations Inc. for designing a cutting-edge analytics platform, handling high throughput with low latency.

🧠 **R&D Leadership Acknowledgment**

Led a research and development team at GlobalTech Solutions that introduced a disruptive product line to the market, significantly increasing the company's revenue.

🏆 **Top Engineer of the Year**

Awarded top engineer of the year at Creative Code Labs for innovation in software development and exceptional contribution to product success.

🎖 **Mentorship Excellence**

Mentored junior developers, guiding them to improve software quality and efficiency, resulting in a team award for excellence.

SKILLS

Modern C++ (C++ 17 and beyond)

Software Architecture Design

CMake Build System

Git Version Control

Linux and Windows Environments

CI/CD Pipeline Development

LANGUAGES

English
Native
● ● ● ● ●

Spanish
Advanced
● ● ● ○ ○