



Jessica Morgan

C++ Software Engineer

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SUMMARY

Dedicated and detail-oriented C++ Software Engineer with extensive experience in developing high-performance systems. Proficient in modern C++ and knowledgeable in Python, a strong capability exists in designing and consuming RESTful APIs, ensuring smooth integration within microservices architectures. Possessing a solid academic background in Computer Science, adept at working on large-scale distributed systems prioritizing low-latency performance. Collaborative approach has proven effective in aligning technical solutions with stakeholder needs, driving successful project outcomes. Eager to leverage technical skills and passion for performance-driven technology in challenging environments.

EXPERIENCE

Software Engineer

Innovate Tech Solutions 📅 January 2025 - Present 📍 Chicago, IL

Design and develop high-performance systems utilizing C++. Collaborated with team members for seamless integration of microservices within distributed systems. Engaged in managing extensive data processing platforms with low-latency requirements.

- Designed high-performance architectures supporting critical applications.
- Developed extensive RESTful APIs enabling consistent service functionality.
- Participated actively in the entire development lifecycle, enhancing overall project output.
- Integrated feedback from stakeholders, improving alignment between technical solutions and needs.

Junior Developer

Creative Solutions Inc. 📅 June 2023 - December 2024 📍 Remote

Contributed to projects focused on efficient system architecture using modern C++. Enhanced existing software components and improved application reliability in various modules under supervision.

- Assisted in designing performant back-end services to streamline workflows.
- Implemented essential features while maintaining excellent code quality.
- Collaborated with cross-functional teams fostering innovative solutions.
- Tested and validated enhancements ensuring meet specs before deployment.

Intern

NextGen Developers 📅 June 2022 - May 2023 📍 Remote

Engaged in practical development work using C++ and Python frameworks. Provided backend support for key applications focusing on low-latency requirements.

- Facilitated development of resilient applications by implementing robust interfaces.
- Participated in debugging efforts, lowering defect rates in production.
- Supported transition to serverless architecture reducing costs significantly.
- Conducted peer reviews boosting software quality through collaborative insights.

PROJECTS

Scalable Microservices Framework 📅 March 2024

Led development of a scalable microservices framework that facilitated seamless interactions among components. Ensured adherence to best practices and optimal response times.

Low-Latency Data Processing System 📅 September 2023

Engineered a low-latency data processing system handling real-time analytics requirements, elevating overall data throughput.

STRENGTHS

👥 Collaboration

Maintained open channels with diverse teams, ensuring smoother execution and unity across functions.

💡 Creative Problem Solver

Approached challenges with unique perspectives, becoming a go-to resource during project hurdles.

🔄 Adaptability

Quickly adjusted strategies based on evolving project demands, keeping objectives aligned and on track.

🔍 Analytical Mindset

Broke down complex problems into manageable parts, generating effective solutions efficiently.

⚙️ Technical Expertise

Possessed deep understanding of C++ and complemented with foundational Python knowledge, contributing hands-on tech solutions.

SKILLS

C++ Python RESTful APIs

Microservices Distributed Systems

Data Processing

Software Development

System Design

Agile Methodologies Debugging

Collaborative Programming

Problem Solving

Code Optimization Version Control

System Architecture

LANGUAGES

English Native

Spanish Proficient

MY CAREER



● Software Engineer at Innovate Tech Solutions (1.3 Years)

- Junior Developer at Creative Solutions Inc. (1.5 Years)

- Intern at NextGen Developers (11 Months)

PORTFOLIO

Title: Portfolio of Past Projects

Link: [GitHub](#)

Description: View a collection of my previous work demonstrating software engineering capabilities.

LEADERSHIP & AWARDS

- Dean's List Recipient for three consecutive years showcasing academic excellence.
- Best Team Project Award at University Hackathon demonstrating innovation and collaboration.

EDUCATION

Bachelor's Degree in Computer Science

University of Illinois GPA: 3.85 2024 Champaign, IL

Coursework: Data Structures, Algorithms, Operating Systems, Software Engineering

CERTIFICATIONS

- Certified C++ Programmer 📅 2025
- Python Development Certificate 📅 2025

TECHNICAL SKILLS

- **Programming Languages:** C++, Python
- **API Design:** RESTful APIs
- **System Architecture:** Microservices
- **Development Tools:** Visual Studio, Git
- **Testing Frameworks:** Google Test
- **Methodologies:** Agile, Scrum
- **Database Management:** MySQL, PostgreSQL
- **Cloud Services:** AWS, Azure
- **Monitoring Tools:** Prometheus, Grafana
- **Containerization:** Docker

PROFESSIONAL AFFILIATIONS

- Member of the Institute of Electrical and Electronics Engineers (IEEE) engaging in various development activities.
- Volunteer Mentor for local coding bootcamp encouraging future aspiring developers.

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST