

# JESSICA MORGAN

## C++ SOFTWARE ENGINEER

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### 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

### 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

## 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)

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

## 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