

Jessica Gonzales

Software Engineer

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Summary

Junior Back-End Developer with 3+ years of experience in developing and automating back-end solutions using Python, Java, JavaScript, SQL, and Go. Working knowledge in DevOps practices, including Docker, Kubernetes, GitLab CI/CD, and AWS, with hands-on experience from internships and professional roles. Skilled in creating efficient, well-documented code in Agile environments and passionate about building scalable back-end systems for supply chain or enterprise applications. Eager to contribute technical expertise and a proactive learning mindset to a dynamic development team.

Key Competencies:

- **Programming Languages:** Python, Java, JavaScript, SQL, Go, Bash
 - **DevOps & Cloud Tools:** Docker, Kubernetes, GitLab CI/CD, AWS
 - **Concepts:** Agile/Scrum, Version Control, Containerization, Automation, RESTful APIs
 - **Development Environments:** Visual Studio Code, IntelliJ, PostgreSQL, MySQL
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Professional Experience

Junior Back-End Developer – Accenture Federal Services, San Antonio, TX

November 2024 – May 2025

- Assisted in implementing server-side logic for federal client tools using Java, Scala and SQL, improving system performance and reliability.
- Assisted in creating detailed technical documentation for API endpoints and deployment processes, ensuring compliance with federal standards.
- Utilized Amazon Workspaces for cloud-based development in Agile team settings, collaborating on back-end solutions.

Software Engineer Intern – ABS Group, San Antonio, TX

October 2023 – October 2024

- Built and tested Python scripts for back-end data processing utilities, enhancing engineering workflow efficiency.
- Developed SQL queries to manage and retrieve data from relational databases, improving data access speed.
- Managed version control with Git and conducted peer code reviews to maintain high-quality, maintainable code.
- Documented back-end system processes, adhering to best practices for clean and scalable code.

Software Engineer Intern – HEB, San Antonio, TX

May 2023 – July 2023

- Developed a Kubernetes mutating admission controller using Go and Docker, automating metadata injection for cluster resources.

- Deployed containerized back-end workloads on Kubernetes, simulating real-world DevOps scenarios for scalable applications.
 - Collaborated in Agile teams to troubleshoot and optimize CI/CD pipelines for back-end deployments, reducing deployment errors.
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Projects

Geo Visualizer: Advanced KML Export

- Developed a Windows desktop application using VB.NET, SharpKml, and WinForms for geographic data visualization.
- Implemented customizable styling for map elements (labels, buildings, regions), improving user interaction with back-end data.
- Integrated robust error-handling in the back-end logic, enhancing application stability and user experience.

Mutating Admission Controller

- Created a Kubernetes admission controller webhook using Go, Docker, and Kubernetes to automate metadata label application.
 - Built and tested back-end automation for cluster resource management, streamlining Kubernetes operations.
 - Deployed and validated the controller in a Kubernetes cluster, ensuring reliable back-end automation.
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Education

Bachelor of Science in Software Engineering – Western Governors University

Expected Graduation: December 2025

- Focused coursework in back-end development, DevOps, database management, and Agile methodologies.
- Self-directed learning in RESTful API development, CI/CD pipelines, containerization, and cloud infrastructure.

Associate of Science in Computer Science (Concentration: Software Engineering) – Southern New Hampshire University

Graduated: December 2023

- Developed foundational skills in secure coding, database management, and back-end development through hands-on projects.