Joe Mendez-Hughes

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SUMMARY

Software Engineer with 7 years of experience in developing and optimizing back-end systems and distributed applications. Skilled in Golang (Go), Python, database design, and distributed systems, with a track record of reducing system response times and enhancing data throughput.

PROFESSIONAL EXPERIENCE

SENIOR BACKEND ENGINEER
Dynamo Technologies, Washington, DC
September 2023 - May 2024

- Architected and maintained scalable microservices utilizing Python & Go, improving system efficiency and reducing latency by **25%**.
- Implemented efficient concurrency models using parallel processing to process large datasets, reducing processing time by **35%**.
- Led the migration of a monolithic application to a distributed system with Go, leveraging gRPC to ensure smooth communication between services.
- Developed Go-based microservices and collaborated with DevOps to containerize them using Docker, managing deployments through Kubernetes to enhance scalability and optimize resource allocation.
- Optimized SQL databases, implementing performance improvements that reduced query times by **20%**.

SENIOR BACKEND ENGINEER
Deep Cloud IQ, New York, NY
July 2021 – September 2023

- Engineered highly scalable backend services using Python, leveraging threading and multiprocessing to improve performance by **25%**.
- Implemented communication protocols between microservices, reducing overhead and improving system performance.
- Collaborated with cross-functional teams to integrate Python services with SQL databases, ensuring data consistency and integrity across distributed systems.
- Modernized legacy codebase by migrating to Go, resulting in a **30%** improvement in load times, enhanced developer productivity, and optimized application functionality.

SOFTWARE ENGINEER
Millennial Shift Technologies, Phoenix, AZ
October 2020 – June 2021

- Developed efficient and scalable SOAP and RESTful APIs, ensuring seamless communication between systems and improving overall performance.

JUNIOR SOFTWARE ENGINEER
Prize Logic, Scottsdale, AZ
February 2018 – May 2020

- Worked closely with senior engineers to design and optimize microservices architecture for high-performance applications.

EDUCATION

Computer Science
College of Southern Nevada, Las Vegas. NV
January 2014 – May 2017

SKILLS

Go (Golang), Python, PostgreSQL, REST APIs, AWS, GCP, Distributed Systems, Git, Threading, Concurrency, Multiprocessing