

Jessica Pamdeth

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Summary of Qualifications:

Extensive experience as a software engineer, specializing in microservices and serverless. Proven success in architecting scalable systems and driving performance improvements. Strong leadership skills, demonstrated through leading and mentoring development teams. Proficient in multiple programming languages, including Typescript, Python, Java, and Golang. Expertise in implementing best practices for automated testing and error handling. Experience with cloud technologies, such as AWS and Snowflake. Excellent problem-solving abilities and a focus on delivering impactful solutions.

Professional Experience:

Emcee Studios, Remote

Lead Software Engineer | August 2023 - February 2024

Emcee studios operates in the social marketing space. I worked on several back end services and data models supporting GraphQL queries. I designed relational and DynamoDB schemas and implemented a highly performant AWS Lambda based serverless solution for performance and scalability.

- Implemented new features quickly with high quality
- Work closely with product and front end teams
- Mentor more junior engineers to grow their careers

Built Technologies, Remote

Staff Software Engineer | October 2022 - July 2023

Built Technologies provides a platform supporting contact, communication, collateral and payment management between all participants in construction lending. I was a staff engineer supporting three development teams in the Lending division. In this role, I provided technical advice, reviewed and submitted architecture changes and contributed to the code base for multiple services. I built new endpoints and refactored existing APIs with an eye to performance and reliability.

- Increased collateral handling performance by 10%.
- Promoted best practices for testing and error handling, improving software quality.
- Developed high-performance services with Node and Python, supporting thousands of requests per hour.
- Proposed and implemented organization-wide unit test coverage standards.

NerdWallet, Remote

Staff Software/Data Engineer | January 2021 - October 2022

NerdWallet is a popular site for learning about personal and small business finance. I worked on both software and data engineering teams during my time at NerdWallet, doing hands-on

development, mentoring teammates and helping the organization get better insight into their data ingestion processes.

- Devised and implemented efficient data ingestion streams for partner data.
- Reduced new partner pipeline implementation time by 40% through the introduction of new processes.
- Enhanced ETL infrastructure for improved scalability of ingestion pipelines.
- Created Snowflake queries for real-time monitoring of ingestion pipeline health.
- Developed a Jira dashboard for tracking bug rates and new pipeline requests, optimizing resource allocation.
- Integrated third-party APIs for content placement.

Western Governors University, Remote

Senior/Staff Software Engineer | July 2016 - January 2021

In this role, I led a team of engineers building the Evaluation Management Application from the ground up. I was responsible for architecting the microservices and data models, and hands-on development. Working closely with users and stakeholders, I made technical decisions that enabled rapid delivery of features while creating a solid platform for future development. I designed the APIs for each service and the asynchronous distributed transactions between them for reliability and fault tolerance. The evaluation platform serves over 120,000 students and hundreds of internal users.

- Led a team of 5 developers in creating Java/Spring Boot microservices for evaluating student work, resulting in cost savings of millions of dollars.
- Successfully proposed and executed the migration from Cassandra to Aurora, leading to improved stability and reduced IT costs.
- Collaborated directly with users to identify pain points and prioritized solutions, resulting in a 10% increase in productivity.

IBM, Las Vegas, NV

Staff Programmer | June 2005 - July 2016

I worked in the Identity and Relationship Resolution space within IBM. During that time, I spent 5 years as the technical lead for the security financial data reporting program supporting several agencies in the federal government. I worked directly with end users of the application to plan development cycles and get approval before work and after delivery.

- Led an international team in designing and developing a deployment strategy for the BigMatch engine across a Hadoop cluster.
- Ensured on-time delivery and customer satisfaction through effective project management, leading to five years of successful delivery.
- Served as a product manager, gathering requirements and prioritizing features.
- Contributed features and mentored other team members.

BAE Systems, Washington D.C.

Software Developer | June 2003 - June 2005

Developed full-stack JAVA applications with SQL and PL/SQL support for Navy sensitive document tracking.

US Pharmacopeia, Rockville, MD

Software Developer | June 2000 - June 2003

Developed full-stack JAVA applications using EJB and SQL to support MedMARx medical error reporting.

Education:

Master's Degree, Data Analytics
Western Governors University, Salt Lake City, UT

Bachelor's Degree, Chemistry
University of Maryland, College Park

Skills:

Programming Languages: Typescript, Python, Java, Golang

Frameworks and Technologies: Spring Boot, AWS, Snowflake, SQL, PL/SQL

Tools and Methodologies: Serverless, Automated Testing, Microservices Architecture

Databases: Oracle, MySQL, PostgreSQL, Aurora, Cassandra, DynamoDB