

JEREMIAH MANUEL

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Summary

Highly motivated software engineer with 3 years of experience in developing scalable web services using Go. Proven track record of improving code quality, reducing bug reports and enhancing system performance. Skilled in a range of technologies, including Node.js, GraphQL, and Postgres. Excited to contribute to team success and company growth.

Work Experience

KeyValue Software Systems

July 2021 - Present

A B2B E-Commerce Site

- Implemented Role-Based Access Control (RBAC) using efficient mechanisms like caching to minimize database calls and optimize system performance.
- Mastered Node.js and complementary frameworks like NestJS and GraphQL to enhance software application functionality.
- Spearheaded the integration of data across platforms on a leading e-commerce B2B platform, ensuring seamless integration for customers across various platforms.
- Developed custom solutions to address data integration challenges, resulting in improved data accuracy, consistency, and accessibility for customers and internal stakeholders.

A Tax Calculation Platform

- Led the successful transformation of a monolithic service into microservices architecture using Docker, optimizing scalability and maintainability.
- Implemented configurable rule policies to manage tax compliance in a dynamic regulatory environment.
- Enhanced query throughput time by strategically implementing indexation, optimizing database performance.

A B2C Platform To Negotiate Offers

- Managed a project focused on excess stock management, employing a polyglot software architecture to ensure flexibility and scalability.
- Enhanced API throughput time by 80% using query optimization and batching, resulting in significant improvements in overall system performance and responsiveness.
- Achieved a 50% improvement in memory utilization and subsequent reduction in operational expenses by optimizing Elasticsearch queries, thereby enhancing efficiency and cost-effectiveness.
- Collaborated with customer support to analyze needs, integrating feedback-driven features and identifying critical product breaking points, reducing downtime and issues by 90%.
- Designed and managed the migration of legacy PHP codebase to Go, supported on-call issues, and conducted regular maintenance tasks to ensure the reliability and efficiency of software solutions.
- Achieved 70% reduction in processing time for asynchronous file upload/download processes by implementing eventual consistency, leveraging background workers to decouple operations and system scalability.
- Leveraged Node.js, Elastic Search, Postgres, AWS, and HashiCorp tools in a comprehensive tech stack to optimize software solutions for robustness, scalability, and efficient performance.
- Designed and implemented analytics capabilities within an offer negotiation platform, enabling data-driven insights and decision-making.

Game Transaction Consolidation

- Utilized Google Cloud Platform (GCP) for data processing, leveraging BigQuery for scalable data warehousing and Apache Airflow for workflow management and data pipeline orchestration, to streamline data processing and analysis.
- Developed Spark applications to extract, transform, and load (ETL) data from various sources into a unified data platform

Education

2017-2021

RAJIV GANDHI INSTITUTE OF TECHNOLOGY

Bachelors of Engineering and Technology (APJ Abdul Kalam Technological University)
Computer Science and Engineering (CGPA: 7.09/10)