Sanketh Shetty

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# SUMMARY

* 6+ years of experience in finance enterprise applications, collaborating with cross-functional teams of product managers and engineers.
* Demonstrated ability to solve complex systems and database environment issues.
* Demonstrated ability to work in a complex organization to determine business and customer needs, providing the best solution to meet those needs.
* Ability to work well as a team and as an individual with minimal supervision.

# KEY SKILLS

MongoDB Proficiency| Data Modeling| Query Optimization| Indexing Strategies| Replication and Sharding| Data Migration| MongoDB Atlas| Security| Performance Tuning| Backup and Recovery| Scripting and Automation| Monitoring and Diagnostics| Troubleshooting Skills| Version Control| Query Language Proficiency| Scaling Strategies| Distributed Database Architecture| Data Consistency and CAP Theorem Understanding| Data Migration in NoSQL Environments

# EXPERIENCE

## Senior Database engineer – Visa June 2016 - June 2022

* Support Database Platform Engineering in the architecture, development and deployment of NoSQL technologies like Redis and MongoDB in high SLA environments.
* Manage, support and maintain database technology and infrastructure, adhering to the architectural guidelines and policies.
* Database administration for off the shelf and internally developed applications, ensure continuous 24x7 operation and availability in support of mission critical business applications and participating in on-call rotation.
* Install, configure, monitor, upgrade and maintain Redis and MongoDB in production and non-production environments.
* Participate in Database Maintenance and Disaster Recovery activities.
* Provide technical expertise and hands-on support in consolidation and migration of databases to new hardware and platforms.
* Physical implementation of databases, storage structures, high-availability solutions, replication, and disaster recovery solutions.
* Proactive and reactive performance analysis, monitoring, troubleshooting and resolution of escalated Level 2 and Level 3 issues.
* Regular database capacity planning related to database growth and system utilization, trend analysis, predictive future database resource requirements, and the structured organized reporting of the same.
* Work closely with other Infrastructure engineering, product development, business operations, and technical operations to ensure delivery of database services within the SLA’s and performance targets.
* Adapt to business requirements, model data, and develop database specifications, table and element attributes.
* Participate in the evaluation, selection and implementation of DBA tools to improve the effectiveness of tasks such as performance monitoring and tuning, recovery, and database change management processing.

## Senior Database engineer – 10KDesigners July 2022 - Present

* Subject matter expert for MongoDB database administration and engineering.
* Supported teams from the inception of projects to production support.
* Guided teams in creating optimized data models for future performance and scaling of sharded database clusters.

## Teaching Assistant – University of Colorado Aug 2014 - May 2016

* Conducted preliminary and critical design reviews of 15 senior design projects.
* Advised students on formulating integration and acceptance test plans, increasing their test coverage by 100%.
* Reduced root cause analysis times by 50% by adopting modular design patterns.
* Oversaw student team coordination and helped them prioritize efforts to achieve better scores on their final presentations.

# EDUCATION

**University of Colorado Boulder** - Master of Science • 2016

**IIT Roorkee** - Bachelor of Technology • 2014