

**Date:** April 2014

**Re: Database Administrator**

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M-KOPA is a mobile technology company that uses mobile payments to offer consumer financing for energy products and services, targeted at off-grid users. The M-KOPA payment system uses mobile payments as a way to pay slowly for renewable energy for a range of applications such as solar lighting or mobile charging.

M-KOPA is seeking a skilled and motivated Database Administrator to help manage M-KOPA's database servers and applications.

The following video will help understand what M-KOPA is all about:

<https://www.youtube.com/watch?v=i9Wrzp29uqw>

The following video demonstrates what it is like to work at M-KOPA:

<https://www.youtube.com/watch?v=c5mf8pgll28>

## **The Position**

*Title:* Database Administrator

*Location:* Nairobi, Kenya

*Start Date:* ASAP

*Reporting to:* Head of Technology

*Responsibilities Include:*

- Contributing to the design and implementation of SQL Server installations and SQL Based applications both on-premises and cloud-hosted.
- Continuous performance improvement through the analysis and possible modification of stored procedures, indexes, views, compression and other tuning activities.
- Configuration and maintenance of SQL Server installations supporting the M-KOPA cloud platform and business services. Ensuring that the business's Recovery Point Objectives (RPO) and Recovery Time Objectives (RTO) can be met through the use of cloud services and high availability schemes.
- Troubleshoot SQL Server operational issues as they occur, including after-hours and weekends
- Configure SQL Server monitoring utilities to minimize false alarms
- Maintaining operational documentation related to the company's database environment
- Manage M-KOPA's Windows servers
- Provide M-KOPA application support to end users
- Build and deploy new Windows servers
- Willingness to work shifts that may cover weekends and holidays



## **Skills & Experience**

### **Required:**

- 3 years or more in a lead database administrator role for SQL Server
- Hands-on experience of working with SQL Server 2012 and above
- Experience working with Windows server and Active Directory in the context of SQL Server installation and operation.
- Experience in Performance Tuning, Query Optimization, using Performance Monitor, SQL Profiler and other related monitoring and troubleshooting tools.
- Experience in troubleshooting and resolving database issues such as database integrity, performance, blocking and deadlocking, replication amongst others.
- Experience with backups, restores and recovery models.
- Knowledge of High Availability (HA) and Disaster Recovery (DR) options for SQL Server.
- Knowledge of indexes, index management, and statistics.
- Ability to write and troubleshoot TSQL and design (stored procedures, functions, tables, views, triggers, indexes, constraints)
- Ability to effectively communicate and work closely with M-KOPA staff to determine needs and assist with systems requirements.
- Excellent written and verbal communication skills

### **Desirable:**

- Experience in SQL Server 2014 and In-memory databases
- Experience in the installation and configuration of Windows Server 2012
- Experience in building and maintaining applications using the .NET framework
- Working in a web application development environment
- Experience managing virtual servers using VMWare or HyperV platforms
- Microsoft SQL DBA Certification will be considered a big plus
- MCSE certification will be considered a plus
- Knowledge in a scripting language like PowerShell will be a plus
- Experience working with monitoring tools such as PRTG
- Experience of SQL Server in a cloud-hosted environment and/or SQL Azure

### **Contacts:**

To apply, please go to the Jobs section on the M-KOPA website and submit your application by September 30<sup>th</sup> 2014. Only candidates who can demonstrate sufficient competence will be shortlisted and contacted.