SAMSON TEDLA

Full Stack Backend Developer | SQL Server DBA & Database Architect

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PROFESSIONAL SUMMARY

Full Stack Backend Developer with 8+ years of proven expertise as a Microsoft Certified SQL Server DBA, now specializing in modern backend development with React, Node.js, Express, and PostgreSQL/MySQL. Unique combination of deep database architecture knowledge and full-stack development skills enables me to build highly optimized, scalable web applications with robust backend systems. Expert in designing database schemas, writing complex queries, implementing security, and ensuring high availability. Proven track record of migrating enterprise databases to cloud platforms (AWS, Azure) and building RESTful APIs. Seeking opportunities to leverage database expertise in full-stack backend development roles.

CORE TECHNICAL SKILLS

Backend Development: Node.js, Express.js, RESTful APIs, JWT Authentication, API Design & Integration

Frontend Development: React.js, JavaScript (ES6+), HTML5, CSS3, Context API, React Router

Databases & SQL: MS SQL Server (2008-2022), PostgreSQL, MySQL, MongoDB, Database Design & Normalization

Database Administration: Performance Tuning, High Availability (Always On, Replication), Backup & Recovery, Migration

Cloud & DevOps: AWS (RDS, EC2), Azure SQL, Azure VM, Git/GitHub, CI/CD concepts

ETL & BI Tools: SSIS, SSRS, SSAS, Power BI, Data Migration, ETL Pipeline Design

Tools & Technologies: VS Code, SSMS, Postman, JIRA, Docker (familiar), IDERA SQL Diagnostic Manager

Languages: T-SQL, JavaScript, Python (basic), Visual Basic 6.0, HTML

PROFESSIONAL EXPERIENCE

Full Stack Backend Developer | Self-Directed Projects | 2023-2024

• Architected and developed full-stack web applications using MERN stack (MongoDB, Express, React, Node.js) with emphasis on backend optimization and database design
• Built RESTful APIs with Express.js handling authentication, authorization, CRUD operations, and complex business logic
• Designed normalized database schemas with optimized indexes for PostgreSQL and MySQL, reducing query response time by 40%
• Implemented JWT-based authentication systems with secure password hashing (bcrypt) and session management
• Developed Evangadi Forum - Full-stack Q&A; platform with user authentication, real-time database operations, and PostgreSQL backend
• Created Amazon Clone - E-commerce application with shopping cart, checkout process, and MongoDB/Express backend
• Built Netflix Clone - Streaming platform interface with API integration (TMDB) and dynamic content rendering

Senior SQL Server Database Administrator | Various Organizations | 2016-2023

• Installed, configured, and administered mission-critical SQL Server environments (2008-2022) managing both clustered and non-clustered systems across 50+ production databases
• Executed complex database migrations including in-place and side-by-side upgrades to Azure SQL and SQL Server 2019/2022, ensuring zero data loss and minimal downtime
• Implemented high availability solutions: Always On Availability Groups, transactional replication, log shipping, and failover clustering achieving 99.9% uptime
• Optimized database performance by identifying and resolving locking/blocking issues, redesigning indexes, and rewriting inefficient T-SQL queries, reducing response time by 45%
• Designed and developed ETL processes using SSIS for data integration from heterogeneous sources (Oracle, DB2, Excel) to SQL Server
• Configured SQL Server in AWS RDS and EC2, managing cloud-based database infrastructure and implementing backup/disaster recovery strategies
• Managed database security including logins, roles, permissions, transparent data encryption (TDE), and compliance with

security best practices

SQL Server Database Administrator | Various Organizations | 2012-2016

• Configured SQL Server failover clusters and Always On Availability Groups for mission-critical applications supporting 1000+ concurrent users
• Applied service packs, hotfixes, and cumulative updates across production environments with zero downtime using rolling upgrades
• Performed comprehensive data migrations and ETL processes using SSIS, ensuring data integrity and optimal performance
• Monitored and tuned SQL Server performance using Database Tuning Advisor, SQL Profiler, execution plan analysis, and Windows Performance Monitor
• Created and maintained SSRS reports, automated SQL Server jobs, and configured proactive alerts for database health monitoring
• Implemented disaster recovery solutions with RPO/RTO requirements, including full, differential, and transaction log backups

MS SQL Database Developer | Various Organizations | 2008-2012

• Designed and implemented complex SSIS packages for data consolidation from diverse source systems (Oracle, DB2, Excel)
• Developed advanced stored procedures, functions, triggers, and views supporting critical business operations
• Built Business Intelligence dashboards using Power BI and Tableau for executive-level reporting and data visualization
• Optimized ETL processes and SQL queries using indexing strategies, query hints, and execution plan analysis, reducing data load times by 50%
• Created SSRS reports (cross-tab, drill-down, parameterized, sub-reports) with complex formatting and calculations

KEY TECHNICAL PROJECTS

Evangadi Forum (Full Stack MERN) - Q&A; platform with user authentication, question/answer functionality, PostgreSQL database with normalized schema, JWT authentication, Express.js RESTful API, and React frontend. Live: evangadi-forum-q.netlify.app

Amazon Clone (MERN Stack) - E-commerce application with product catalog, shopping cart, checkout process, MongoDB backend, Context API state management, and React Router navigation. Live: amazonheran.netlify.app

Netflix Clone (React + API) - Streaming platform interface with TMDB API integration, dynamic movie data, trailer previews, and responsive design. Live: samsonnet.netlify.app

Enterprise Database Migration to Azure - Led migration of 200GB production database from SQL Server 2012 to Azure SQL, implementing Always On AG for high availability, achieving 99.95% uptime

Performance Optimization Initiative - Identified and resolved critical performance bottlenecks across 30+ databases, implementing proper indexing strategies, query optimization, and database maintenance plans

PROFESSIONAL CERTIFICATIONS

Microsoft Azure SQL | Microsoft/Coursera | Certificate: R2D9KSUMCJPU | July 2024
SQL Server Performance Tuning Part 1 | Udemy | Certificate: UC-3c67786e-70d9-43a9-973e | July 2024
Microsoft Certified Database Administrator (MCDBA) | SQL Server 2012/2014 (70-462)
Power BI Desktop | Coursera | Certificate: KFYK8NCD7JB2 | August 2021
Intermediate Relational Database and SQL | Coursera | Certificate: 96WAA4TE258L | August 2021
Introduction to Relational Database and SQL | Coursera | Certificate: F5DLKK75624B | July 2021

EDUCATION & TRAINING

Bachelor of Science in Computer Science | HiLCoE School of Computer Science & Technology
Postgraduate Diploma (MSc) | International Diploma in Project Management (IDPM) | University of Cambridge & Zemen Institute
Full Stack Web Development Bootcamp | Evangadi Tech | Modern MERN Stack Development (2023-2024)

PROFESSIONAL STRENGTHS & VALUE PROPOSITION

• **Unique Technical Blend:** Rare combination of 8+ years enterprise database expertise and modern full-stack development skills
• **Backend Architecture Excellence:** Deep understanding of database design, optimization, and scalability from DBA background
• **Performance Optimization:** Expert at identifying bottlenecks and optimizing queries, APIs, and database operations
• **Cloud & DevOps Ready:** Hands-on experience with AWS RDS/EC2, Azure SQL, and database migration to cloud platforms
• **Security Conscious:** Extensive experience implementing database security, authentication, authorization, and encryption
• **Problem-Solving Ability:** Strong analytical mindset with proven track record of resolving complex technical challenges

ADDITIONAL INFORMATION

Work Authorization: U.S. Green Card Holder | Authorized to work without sponsorship
Availability: Open to full-time Backend Developer, Full Stack Developer, and Database Developer positions
Work Preferences: Remote-first, open to relocation for the right opportunity
Languages: English (Fluent), Amharic (Native)
Portfolio: samson-dev.netlify.app | **GitHub:** github.com/samsongybc