

DANNELS OKORO

Database Developer & Full-Stack Engineer ✉ okorodannels95@gmail.com | 📞 +250791447076 | 📍 Kigali, Rwanda

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PROFESSIONAL SUMMARY

Results-driven Database Developer and Full-Stack Engineer with 5+ years of experience in database administration, BSS systems, and scalable web applications. Proven expertise in Oracle, MySQL, PostgreSQL database management, PL/SQL development, and microservices architecture. Strong background in transaction monitoring, data validation, billing systems, and API endpoint management with demonstrated ability to troubleshoot complex database issues and optimize system performance.

TECHNICAL SKILLS

Database Technologies: Oracle RAC, ASM, Grid Infrastructure, MySQL, PostgreSQL, MongoDB, Redis, PL/SQL, Database Design, Query Optimization, Backup/Recovery, User/Role Management

Programming Languages: Java, PHP, Python, C#, JavaScript, SQL, PL/SQL, Bash/Unix Shell Scripting, C++

Backend Development: Node.js, Express.js, Django, Flask, Spring Boot, Laravel, RESTful APIs, GraphQL, Microservices

Frontend Development: React.js, Vue.js, Angular, JavaScript (ES6+), TypeScript, HTML5, CSS3

Cloud & DevOps: AWS (EC2, S3, RDS, Lambda), Docker, Kubernetes, CI/CD, Jenkins, GitHub Actions

Operating Systems: Linux/Unix Administration, Windows Server, System Administration, Performance Monitoring

PROFESSIONAL EXPERIENCE

Database Developer & Software Engineer | DiolioChat | Jan 2019 - Dec 2021

- Administered MySQL and PostgreSQL databases serving 10,000+ active users with 99.9% uptime
 - Designed and implemented PL/SQL scripts for data extraction, validation, and transaction monitoring
 - Monitored billing processes and transaction logs, detecting and resolving system anomalies reducing errors by 35%
 - Implemented database security protocols, user/role management, and privilege assignments
 - Optimized database queries and backup/recovery procedures improving performance by 40%
 - Developed RESTful APIs and microservices for CRM integration and system provisioning
- Technologies: MySQL, PostgreSQL, PL/SQL, Java, PHP, Node.js, AWS RDS, Linux Administration

Freelance Database Developer & Full-Stack Engineer | Various Clients | Jan 2022 - Present

- Delivered 20+ database-driven applications with comprehensive transaction monitoring and validation
 - Built e-commerce billing systems processing \$50K+ monthly transactions with automated reconciliation
 - Developed inventory management systems with real-time data synchronization and API endpoint management
 - Implemented automated backup/recovery solutions and database security measures for retail clients
 - Created data validation scripts achieving 90%+ accuracy in BSS transaction processing
 - Provided database administration consultation including performance tuning and system integration
- Technologies: Oracle, MySQL, PostgreSQL, Python, Java, Django, AWS, Docker, API Development

KEY PROJECTS

BSS Transaction Monitoring System | Oracle, PL/SQL, Java

- Developed comprehensive transaction review system for CRM orders, provisioning, and billing validation
- Implemented automated data extraction and analysis tools for BSS system integrity assessment
- Created monitoring dashboards with anomaly detection reducing manual review time by 60%

Database Administration Platform | MySQL, PostgreSQL, Python

- Built centralized database management system with automated backup/recovery capabilities
- Implemented user role management and security auditing features
- Achieved 99.8% database availability through proactive monitoring and maintenance

API Gateway & Billing Integration | Oracle, Java, Spring Boot

- Designed microservices architecture with centralized API endpoint management
- Integrated billing systems with wallet deduction and transaction logging capabilities
- Reduced API response time by 50% through database optimization and caching strategies

EDUCATION & CERTIFICATIONS

Bachelor of Science in Computing and Information Science

University of Lay Adventist of Kigali | 2017

Certifications:

- AWS Certified Developer Associate • MongoDB Certified Developer
- Oracle Database Administration (In Progress) • MySQL Database Administrator

ACHIEVEMENTS

- Successfully managed databases with 99.9% uptime across multiple production environments
- Completed 10+ database migration projects with zero data loss
- Contributed to 3 open-source database tools with 100+ GitHub stars combined
- Speaker at Kigali Tech Meetup on "Database Optimization for Modern Applications"