
ISAAC BOTWE

ACCRA, GHANA 00233

+233558132290 | isaacbotwe7@gmail.com | <https://github.com/iyke-beezy>
| <http://linkedin.com/in/isaac-botwe-5bb926153>

PROFESSIONAL SUMMARY

Highly skilled Backend Developer with over 5 years of experience in designing scalable, high-performance applications. Proficient in Node.js, TypeScript/JavaScript, and experienced with Java J2EE, Spring Boot, and JSPs. Adept at database modeling and query optimization, particularly with PostgreSQL and MySQL. Strong understanding of object-oriented programming principles and design patterns. Passionate about building robust, efficient APIs with JWT authentication and queue-based systems to ensure scalability and security. A team-oriented professional committed to delivering solutions that meet business objectives while handling large transaction volumes with ease.

ACCOMPLISHMENTS

- Developed and deployed a high-traffic Mobile Banking Application for GCB, CBG, and Prudential Bank as a Java backend developer. Utilized Spring Boot and Java EE to create scalable microservices, managed MySQL databases, and implemented web workers to optimize performance and concurrency.
- Collaborated with a team to develop a web-based management system for schools using Java Servlets and Oracle databases during an Oracle Hackathon.
- Led backend development for a customer relationship management system deployed on Heroku, utilizing Node.js, Express, and MongoDB to optimize data retrieval and system performance.
- Placed third in the 'FigmaXGithub' Hackathon by developing a Kotlin and Java-based mobile application for tracking electricity usage, focusing on scalability and performance optimization.

SKILLS

- Backend Development: Node.js, TypeScript, JavaScript, Spring Boot, Java J2EE, JSPs
- Database Management: PostgreSQL, MySQL, MongoDB, Query Optimization, Data Migrations, Database Modeling
- Software Architecture: Scalable System Design, Microservices, High-Volume Performance Optimization, Concurrency Handling

- API Development: RESTful and SOAP APIs, JWT Authentication, Input Validation, Queue-Based Systems
- Version Control: Git, GitHub
- Cloud & Tools: AWS, Heroku, Redis, Docker, Kubernetes

WORK HISTORY

MOVA

Senior Backend Engineer (Part-Time) | Accra, Ghana | September 2024 - Current

- Architected the backend for a ride-ordering application, ensuring scalability and fault tolerance.
- Developed RESTful APIs using Node.js and Express, implementing robust authentication and security measures.
- Optimized PostgreSQL queries, achieving significant performance gains for high-volume transactions.
- Implemented Redis caching to reduce database load and enhance user experience.

FIRST VISION TECHNOLOGIES

Senior Software Engineer | Accra, Ghana | October 2020 - Current

- Architected the backend for a ride-ordering application, ensuring scalability and fault tolerance.
- Developed RESTful APIs using Node.js and Express, implementing robust authentication and security measures.
- Optimized PostgreSQL queries, achieving significant performance gains for high-volume transactions.
- Implemented Redis caching to reduce database load and enhance user experience.

SLITCORP

Mobile App / Web Developer | Accra, Ghana | June 2018 - October 2020

- Designed and deployed web and mobile applications, ensuring efficient database structures and API integrations.
- Collaborated with cross-functional teams to deliver scalable solutions for 4+ enterprise clients.

EDUCATION

BACHELOR OF SCIENCE Computer Science

University of Ghana

Accra, Ghana, July 2019

- Elected Captain of Final Year Group Project Team.

- **Relevant Coursework:** Data Mining, Artificial Intelligence, Computational Mathematics, Software Engineering, HCI, Data Structures and Algorithm.

PROJECTS

Trails247

- Developed a CRM web application using Node.js, Express, and MongoDB, ensuring seamless customer interactions.

Textrail

- Built a bulk SMS solution with Express.js and MongoDB, focusing on optimizing high-volume message processing.

EasyQuip

- Created a cross-platform mobile app for equipment booking using React Native, integrated with a MongoDB database, ensuring efficient state management via Redux.