Kelechi Ibekwe | Full-Stack Software Engineer

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HIGHLIGHTS

- **3 years of experience** building modern full-stack applications with **Java, React.js, Node.js and Python**
- Delivered solutions at TD Bank, including fractional share trading (first major Canadian bank to launch), designed and deployed a financial-reporting service that cut manual work by **40%**, CI/CD pipelines that increased Python test coverage to 80% and reduced production bugs by 50%
- Open to relocation and a Canadian permanent resident, excited to tackle complex engineering challenge in dynamic teams

PROFESSIONAL EXPERIENCE

TD Bank
Full-Stack Software Engineer | Calgary, AB | December 2022 – Present
Leads three major applications (React.js/Node.js, React.js/Spring Boot and Python), driving end-to-end feature delivery and large-scale refactors in an Agile environment
- Built a **Spring Boot application** to standardize financial report generation, using design patterns for scalable architecture. Delivered on time through close collaboration with developers, reducing manual formatting errors by **35%**, creating documentations which improved long-term maintainability
- Developed **React.js** UIs for TD's financial-reporting platform, applying advanced hooks, context/state management (React Context, Redux), and component-based architecture to deliver complex, responsive dashboards. Cut manual reporting work by **40%** and improved data-processing speed by **35%**
- Drove critical application changes to support fractional shares trading, **positioning TD as first major Canadian bank to offer this feature**. Updated **100+ Java** backend services and **SQL stored procedures**, with comprehensive testing to ensure compliance and reliability
- Increased **Python** test coverage from **0% to 80%** by implementing unit tests and SonarQube integration. Implemented CI/CD pipeline with automated testing and deployment, significantly reducing bug reports by **50%** and ensuring compliance with company standards
- Enhanced **Node.js application** security by resolving injection vulnerabilities and updating dependencies. Utilized static code analysis and tools to identify and mitigate threats. Resulted in a **30% reduction** in security vulnerabilities

ADDITIONAL PROJECT

MyStoryLog (AI enhanced journalling app) | Link
Built and deployed a full-stack application that turns user journals into personalized podcasts using Next.js (React.js), TypeScript, Python/Flask, and PostgreSQL
- Implemented user-centric **Next.js/React.js** experiences, employing progressive enhancement and modern animation libraries to boost engagement and ensure seamless navigation on all devices
- Developed robust REST API endpoints with error handling and accurate HTTP codes, reducing client-side error incidents by **30%** and faster issue resolution
- Refined **PostgreSQL** queries, lowering average query response time by **30%** and improving content delivery speed
- Collaborated with UX designers and QA to ensure a polished, accessible user experience across web and mobile

EDUCATION

University of Calgary, Calgary AB, Canada
Master of Engineering in Mechanical Engineering

SKILLS & TECHNOLOGIES

Java, SpringBoot, JavaScript/TypeScript, React.js (Next.js), Node.js, Python, Flask, PostgreSQL, Docker and Containerization, Testing and Debugging(Junit, Jest), REST/GraphQL, authentication/authorization(JWT)