EKENE NDUBUEZE

Ottawa, ON (Open to Relocation) | 📁 ozi-tech.github.io

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Professional Summary

Software developer with production systems experience and strong technical foundation (3.97 GPA). Built Android OCR application achieving 95%+ accuracy submitted to Canada Post and full-stack platform with 12 REST endpoints. Experience supporting 50,000+ users at Mara, collaborating with engineering teams on system architecture, debugging production issues, and implementing solutions that reduced defects by 35%. Proficient in Java, Python, React, and SQL with expertise in building scalable applications and solving complex technical problems.

Technical Skills

Languages: Java, Python, JavaScript (ES6+), Kotlin, SQL, HTML5, CSS3
Backend: REST APIs, FastAPI, Node.js (learning), Express (learning), API Design Patterns, Microservices Concepts
Frontend : React, Responsive Design, Component Architecture, State Management, Single-Page Applications
Databases and Data : PostgreSQL, MySQL, Oracle, MongoDB, SQL Query Optimization, Database Design, Data Modeling
Tools: Git, GitHub, Jira, Confluence, VS Code, Android Studio, Postman, Linux CLI, Maven
Practices: Agile/Scrum, Code Reviews, Test-Driven Development Concepts, Version Control, CI/CD Fundamentals, Technical Documentation, Troubleshooting, Root Cause Analysis
Cloud and Emerging Tech: AWS Cloud Practitioner (in progress), Azure Concepts, Container Fundamentals, Cloud-Native Architecture

Technical Projects & Portfolio

AI-Powered Label Scanner for Canada Post | *Kotlin, Google ML Kit, CameraX, Android API 28+*　　　　**March 2025**

- Developed computer vision application achieving 95%+ OCR accuracy for real-time text extraction from shipping labels in varying quality conditions.
- Engineered complete image processing pipeline including camera handling, preprocessing (contrast adjustment, rotation, cropping), ML-based text recognition, and validation logic.
- Reduced failed API calls by 82% through client-side validation using regex patterns and Canada Post tracking number format verification before external API requests.
- Implemented secure data processing adhering to Android security best practices and privacy standards for handling sensitive shipping information

Full-Stack Data Management Application | *React, Python, FastAPI, MongoDB, HTML, CSS*　　　　**April 2025**

- Architected full-stack application managing 500+ records with real-time filtering, search, and complete CRUD operations across multiple data entities.
- Engineered 12 RESTful API endpoints with comprehensive data validation, error handling, and optimized database queries achieving 99.2% uptime during testing.
- Built responsive React frontend with dynamic state management, API integration, authentication flows, and form validation implementing industry-standard UX patterns.
- Implemented version control workflows using Git with feature branches, pull requests, and collaborative development practices.

Professional Experience

Product Manager (Technical)　　　　**March 2022 – February 2023**
Mara Cryptocurrency Wallet　　　　*Lagos, Nigeria*

- Technical PM role working directly with 8-person engineering team on production cryptocurrency payment system, participating in technical design discussions, code reviews, and architectural decisions.
- Analyzed production system logs using SQL queries to identify patterns and root causes, improving incident resolution time by 33% (4.2 hours to 2.8 hours) through systematic troubleshooting and technical triage.
- Reduced post-release defects by 35% across 12 production releases by implementing data-driven QA validation processes, understanding technical root causes, and collaborating with engineers on preventive solutions.
- Debugged production issues by analyzing stack traces, reviewing code commits in GitHub, examining database queries, and translating technical problems into actionable engineering tasks.
- Created 15+ technical documentation pages in Confluence covering system architecture, API specifications, and troubleshooting guides, reducing support escalations by 40%.
- Participated in Agile ceremonies including sprint planning, stand-ups, and retrospectives, contributing to technical discussions on feature implementation and system improvements

Education

Diploma in Computer Programming (CGPA: 3.97)   **Sep. 2023 – Jun 2025**
Algonquin College, School of Advanced Technology   *Ottawa, ON*
- Relevant Coursework: Object-Oriented Programming (Java), Data Structures & Algorithms, Database Design & SQL, Web Development, Mobile Application Development, Software Architecture, System Analysis
- Academic Achievement: Dean's List (4 consecutive semesters)

Professional Development & Extracurricular

AWS Cloud Practitioner Certification   **In Progress**
Expected: February 2026   *Udemy + Practice Exams*

Portfolio Website: ozi-tech.github.io
- Showcases technical projects with live demos, code repositories, and technical documentation

Peer Mentorship Program   **Winter 2024 – Winter 2025**
Peer Mentor   *International Education Centre, Algonquin College*
- Guided newly arrived international students through academic and cultural transition while organizing weekly programming practice sessions to help prepare for technical interviews