Kenny Rabiu

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# Education

**McMaster University** Hamilton, Ontario

*BASc. in Computer Science;* ***GPA: 3.78/4.0*** *Sep 2020* ***–*** *May 2025 Minor Degree in Automation Engineering (Dean’s List);*

**Relevant coursework:** Data Structures and Algorithms, Databases, Object-Oriented Programming (OOP), Computer Networks and Security, Information Security, Operating Systems, Fundamentals of Machine Learning

# Experience

**Guidewire Software Inc.** Toronto, Ontario

*Full-Stack Software Engineer Intern May 2024* ***–*** *Aug 2024*

* Developed a TypeScript data fetching module, reducing retrieval time by 25%, enhancing data access speed, and significantly improving user experience for over 500,000 platform users.
* Spearheaded backend development and designed RESTful APIs using Java/Kotlin in an agile, test-driven environment, handling 50,000+ API requests daily.
* Implemented a dynamic data visualization feature with React, increasing system scalability to support an additional 100,000 users and reducing bug incidence by 15%.
* Leveraged AWS Lambda (S3, API Gateway, DynamoDB) and serverless architecture to implement cloud-native infrastructure, enhancing system reliability to 99.95% uptime and reducing infrastructure costs by 30% through optimized resource usage.
* Continuous Integration/Deployment, pull requests, code reviews, load/stress testing, unit/integration/e2e testing.

**TD Bank Financial Group** Toronto, Ontario

*Software Engineer May 2023* ***–*** *Aug 2023*

* Enhanced customer service platform using Java based OOP and SOLID principles, processing 10,000+ transactions daily with improved security through input validation, sanitization, authentication, and authorization.
* Improved TD’s advanced business partnership platform (EBC) using Angular, streamlining 200+ business inquiries daily and boosting efficiency by 20%, thereby improving customer satisfaction.
* Engineered and integrated microservices using Java, JavaScript, and Python, significantly enhancing the functionality and reliability of TD’s technology platforms.

# Projects

**Yoruba Language Learning Site** *|* [*GitHub*](https://github.com/rabiuk/yoruba-website)

* Developed a full-stack language learning application with JavaScript, **React**, and **Next.js**, featuring an intuitive UI for immersive learning and cultural appreciation of the Yoruba language.
* Integrated interactive quizzes for engaged learning, alongside a robust **user authentication** system and **secure session management**, ensuring secure and immersive learning.
* Integrated serverless functions with a NoSQL database for seamless data retrieval and storage, improving data access speed by 20%.

**NextMove - Email Classification Chrome Extension** *|* [*GitHub*](https://github.com/yashexe/nextmove-capstone)

* Developed an ML-powered Chrome extension to automatically sort emails into folders by content and urgency.
* Implemented & compared SVM, Logistic Regression, Naive Bayes, and BERT models using Python and scikit-learn for NLP-based email classification.
* Achieved **97% accuracy** in email classification using a custom dataset of personal and GPT-generated emails, fine-tuning for nuanced language.
* Engineered the Python backend for data handling, model integration, and API interactions.

# Skills

**Languages:** C/C++ *|* Java *|* Python *|* JavaScript *|* TypeScript *|* ES6 *|* Haskell *|* HTML *|* CSS *|* SQL *|* NoSQL *|* MySQL

**Technologies:** Node *|* React *|* Next.js *|* Redux *|* Express *|* Tailwind *|* MongoDB *|* Angular *|* Kotlin *|* Git *|* Docker *|* AWS *|*

Kubernetes *|* Jira *|* Confluence *|* Bitbucket *|* EC2 *|* Jest *|* Selenium *|* Linux/Unix *|* Puppeteer *|* scikit-learn *|* NLTK/spaCy

**Methodologies:** Microservices *|* Distributed Systems *|* Frontend *|* Backend *|* Full-Stack *|* Agile *|* Scrum *|* OOP *|* Functional Programming *|* Multi-threading *|* Network Protocols *|* State Machines *|* Unit Testing