

# Kenny Rabiou

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## EDUCATION

### McMaster University

BASc. in Computer Science; **GPA: 3.78/4.0**

Minor Degree in Automation Engineering (Dean's List);

Hamilton, Ontario

Sep 2020 – May 2025

**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.

Full-Stack Software Engineer Intern

Toronto, Ontario

05/2024 – 08/2024

- 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

Software Engineer

Toronto, Ontario

05/2023 – 08/2023

- 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](#)

- 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](#)

- 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