Kenny Rabiu

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EDUCATION

McMaster University   Hamilton, Ontario
BASc. in Computer Science; **GPA: 3.5/4.0**   *Sep 2020 − May 2025*
Minor Degree in Automation Engineering (Dean's List); **GPA: 3.7/4.0**

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 services (EKS, Aurora/RDS, VPC) to implement cloud-native infrastructure, enhancing system reliability with 99.99% uptime and reducing infrastructure costs by optimizing resource usage
- Continuous Integration/Deployment, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

TD Bank Financial Group   Toronto, Ontario
Software Engineer Intern   *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*
- 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

Home Automation Web App | *GitHub*
- Created a user-friendly dashboard using React and Next.js to display real-time data on household variables, including temperature and lighting, with custom API routes for efficient data retrieval
- Developed a live-stream interface for remote surveillance, enhancing home security

Amazon Web Scraping API | *GitHub*
- Developed a web scraping API using JavaScript, **Node.js**, **Express**, and **Puppeteer** to automate the extraction of product data from Amazon, enabling streamlined access to real-time search results for online ordering
- Implemented data filtering, ensuring relevant product data (title, price, rating, link) are included in the API response

SKILLS

Languages: C | C++ | Java | Python | JavaScript | TypeScript | HTML | CSS | SQL | NoSQL | MySQL | MongoDB

Technologies: Node | React | React Native | Next.js | Redux | Express | Tailwind | Angular | Kotlin | Git | Docker | AWS | Kubernetes | Jira | Confluence | Jest | Selenium | Puppeteer

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