

# Kenny Rabiuk

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## SKILLS

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**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

## EXPERIENCE

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### TD Bank Financial Group

Toronto, Ontario

*Software Engineer Intern*

*May 2023 – Aug 2023, Full-time*

- 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.

### Guidewire Software Inc.

Toronto, Ontario

*Full-Stack Software Engineer Intern*

*May 2024 – Aug 2024, Full-time*

- 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.

## EDUCATION

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### McMaster University

Hamilton, Ontario

*BASc. in Computer Science; GPA: 3.5/4.0*

*Sep 2021 – May 2025*

*Minor Degree in Automation Engineering (Dean's List); GPA: 3.7/4.0*

*Oct 2020 – Jun 2021*

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

## PROJECTS

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### 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.