

OSARUMEN IZEDONMWEN

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TECHNICAL SKILLS

Languages: Python, Rust, C++, C, Java, JavaScript, TypeScript, SQL, HTML, CSS

Frameworks & Libraries: Node.js, Express, React, React Native, Spring Boot, NestJS, FastAPI, Flask, Expo, JPA, Hibernate

Tools & Databases: AWS (S3, SES, EC2, Lambda, SQS), Docker, PostgreSQL, MySQL, MongoDB, Redis, Git, GitHub Actions, Postman, Swagger, Firebase

EXPERIENCE

Solink

May 2026 – Present

Software Engineer Intern

Ottawa, ON

- Built an end-to-end **remote DNS configuration feature** across a cloud management platform, embedded NAS devices, and Linux-based recording devices – enabling operators to manage upstream DNS servers across customer deployments without requiring on-site access
- Engineered **GitHub Actions CI/CD pipelines** to automate build testing, package deployment to a Nexus artifact repository, and application bundling, reducing manual steps in the release process

RUMII (Mobile Roommate Matching Platform for Canadian University Students)

June 2025 – Present

Founder & Lead Developer

Toronto, ON

- Developed and launched a React Native iOS application as the sole developer, growing to **1,000+ users**, and winning the \$1,000 "Best Real World Impact" award at the **Canadian Tech Summit**
- Optimized backend latency and performance, **reducing profile load times from 1.4s to 100ms** by implementing indexed JPQL queries, AWS S3 presigned URLs, and automated WebP image compression
- Deployed containerized services with Docker, implementing **real-time WebSocket messaging (STOMP, Redis pub/sub)** with push notification fallback, AES-GCM encryption, and async processing for non-blocking operations

TeeSas Education

May 2024 – August 2024

Software Development Engineer Intern

Remote

- Reduced API response **latency by 45% for 10,000+ active users** through Redis caching, endpoint refactoring, and PostgreSQL query optimization with proper indexing strategies
- Accelerated developer onboarding by 20% by authoring comprehensive API documentation using Swagger/OpenAPI specification and creating interactive Postman collections for **30+ RESTful endpoints**
- Collaborated with cross-functional teams to architect and implement 8 new backend features in NestJS, following SOLID principles, dependency injection patterns, and test-driven development practices

EDUCATION

Western University – 3.7/4.0 GPA

September 2023 – May 2028

Honours Bachelor of Science in Computer Science, Minor in Software Engineering

London, ON

Awards: Dean's Honour List (2x)

PROJECTS

PalendrAI | Next.js, React, TypeScript, Tailwind CSS

github.com/rumen-spec/PalendrAI

- Developed an AI event planning web app in 36 hours, placing **Top 6 at the Western AI Dataquest Hackathon**, leveraging the OpenAI API with custom prompt engineering to generate intelligent schedules.

Real-Time Multiplayer Chess Platform | Node.js, React, WebSockets

github.com/rumen-spec/chess

- Developed full-stack chess application with WebSocket-based real-time synchronization **enabling sub-100ms move propagation** between concurrent players.
- Implemented AI opponent using minimax algorithm with **alpha-beta pruning optimization**, reducing decision tree evaluation while maintaining move accuracy.

FitPro | Next.js, Firebase, Stripe, OpenAI API

- Co-developed and sold a personalized fitness SaaS with AI-powered coaching, Stripe subscription billing, and real-time Firestore data sync — **acquired for \$7,000**.
- Integrated Stripe webhook infrastructure to handle subscription lifecycle events and built onboarding flow capturing user data for personalized meal and workout plan generation.