KENAN ODONGO

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Experience

Radiotherapy Complications Center **Toronto, Ontario**
Full-Stack Software Developer October 2024 – Present
- Architect and develop responsive full-stack web applications using React.js, Node.js and PostgreSQL, serving 500+ monthly active users across healthcare platforms.
- Deploy and maintain scalable cloud infrastructure on AWS (EC2, S3, RDS) and Vercel, implementing automated CI/CD pipelines using GitHub Actions to reduce deployment time by 40%.
- Integrate third-party APIs, RESTful services, and headless CMS (Strapi) to enhance application functionality and improve user experience metrics by 25%.
- Optimize application performance through code refactoring, database query optimization, and implementing caching strategies with Redis, reducing page load times by 35%.

George Brown College **Toronto, Ontario**
Computer Lab Technician September 2024 – Present
- Deliver technical support and troubleshooting for 500+ students and faculty across multiple computer labs, resolving hardware, software, and network connectivity issues to maintain 95% uptime.
- Configure and maintain lab infrastructure including Windows/Linux systems, development environments (VS Code, IntelliJ IDEA), and network printers to support academic programming courses.
- Install and update software development tools including Git, Docker, Node.js, Python, and Java environments for computer science students.

Projects – **More information available on my Website** ↗

Radiotherapy Care Resource Centre ↗ – React, Node.js, Express, PostgreSQL, AWS EC2, Strapi CMS
- Built full-stack PERN application connecting radiotherapy patients with cancer care resources across Ontario.
- Designed and implemented RESTful API architecture with Express.js backend, featuring input validation and error handling middleware for secure data transactions.
- Developed responsive frontend with React.js and modern JavaScript (ES6+), implementing component-based architecture and state management for improved code maintainability.
- Integrated Strapi headless CMS enabling non-technical staff to manage content independently, reducing content update time by 60%.

Weather Dashboard Application ↗ – React, Axios, OpenWeatherMap API, REST API, JavaScript
- Developed responsive single-page application (SPA) using React and modern JavaScript, integrating OpenWeatherMap REST API to deliver real-time weather data for 200+ global cities.
- Implemented asynchronous API calls using Axios and async/await patterns, featuring error handling, loading states, and data caching to optimize API rate limits.
- Created comprehensive technical documentation including setup instructions, API integration guides, and Git workflow for future contributors and collaborative development.

Education

George Brown College **Toronto, Ontario**
Advanced Diploma in Computer Programming and Analysis Expected: April 2026
Relevant Coursework: Advanced Web Application Development (COMP 3095) - Microservices Architecture, Spring Boot, Docker Containerization, Redis Caching, Apache Kafka, OAuth2 Authentication, CI/CD Pipelines; Data Science (COMP 3122) - Machine Learning Algorithms, Decision Trees, Python Data Analysis; Object-Oriented Programming, Data Structures & Algorithms, Database Design, Agile Software Development

Technical Skills

Languages: JavaScript, Python, Java, PHP, SQL, HTML5, CSS3, Bash/Shell Scripting

Technologies/Frameworks: React.js, Node.js, Express.js, Next.js, Laravel, Spring Boot, NumPy, Pandas, Tailwind CSS

Databases: PostgreSQL, MySQL, MongoDB, Redis, Database Design, SQL Queries, NoSQL

Development Tools: AWS (EC2, S3, RDS), Vercel, Cloudflare, Docker, Linux/Unix, Git/GitHub, CI/CD, Agile/Scrum, RESTful Microservices, Postman, Strapi CMS, Jira, VS Code, IntelliJ IDEA