Kareem Alameen

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SKILLS

Language/Technologies: HTML, CSS, JavaScript, TypeScript, R, React, Node.js, Tailwind CSS, PostgreSQL, MongoDB, WordPress, Docker, GitHub, Jest
Soft Skills: Problem Solving, Communication, Time Management, Analytical Thinking, Adaptability, Agile Collaboration

EDUCATION

Master of Science - Applied Modelling and Quantitative Methods   April 2025
Trent University, Peterborough, Ontario.

Bachelor of Science - Computer Science   September 2022
Caleb University.

TECHNICAL EXPERIENCE

Front-End Developer   November 2024 – April 2025
Yuvoice   Canada Remote
- Built a dynamic front-end with **React.js** and **Tailwind CSS**, managed from **WordPress Content Management System (CMS)** to enable non-technical teams to manage content seamlessly.
- Worked in an **Agile** team using **Jira**, closing **10+** feature tickets and participating in code reviews to maintain consistency and quality across the codebase.

Fullstack Developer   August 2024 - November 2024
Center of Youth and Sustainable Development (CYSD)   Canada Remote
- Leveraged principles such as **goal-oriented design and stakeholder modelling** to ensure content and user flows supported the organization's fundraising objectives.
- **Redesigned and rebuilt** the organization's website using **React** and **Tailwind CSS**, structuring content to highlight organisations impact stories, community activities, and ongoing initiatives.

Technical Communications Associate   January 2023 - December 2023
ZKTECO West Africa   Nigeria
- Authored **100+** user-friendly documentation guides and created **15+** tutorial videos covering common troubleshooting workflows, reducing repetitive customer inquiries by **60%** within 6 months.
- Supported the digital team in implementing basic **SEO improvements**, helping to drive steady increases in search visibility.

Software Engineer Intern   May 2020- December 2021
National Institute of Information Technology (NIIT)   Nigeria
- Assisted in debugging and resolving **20+** front-end issues in **React applications**, deepening my understanding of component lifecycles, state management, and rendering performance.
- Contributed to the setup and querying of **PostgreSQL** databases, supporting **CRUD** functionality for admin dashboards and reporting features.

SOFTWARE PROJECT

Document Management System (React.js, Tailwind, Node.js, Express.js, PostgreSQL, Redis, Nginx, Docker)
- Developed scalable backend services with **Express.js** and **Node.js** using async middleware, **JWT-based auth**, and **Multer** for handling 100+ concurrent document uploads.
- Designed a **PostgreSQL** schema with normalized tables and strategic indexing, based on query frequency modelling, improving query performance on document retrieval, especially under multi-user operations.
- Containerized the full stack using **Docker** and configured **Nginx** as a reverse proxy and load balancer, improving system reliability and scalability under increased user traffic.
- Leveraged **Redis** to cache frequently accessed documents and metadata, reducing database load by **40%** and enhancing **API** responsiveness. Additionally, implemented **Redis-based rate limiting** to safeguard system stability against request spikes.

Content Summarizer App (React.js, Tailwind, Typescript, Node.js, Express.js, Supabase, OpenAI API, Nginx, Docker)
- Engineered a modular **React** and **TypeScript** frontend with component-driven architecture, paired with an **Express.js** backend following strict controller-service separation, reducing production incidents and ensuring clearly defined architectural boundaries
- packaged microservices with **Docker** and **Nginx** for containerized deployment with reverse proxy setup, streamlining local dev workflows.
- Implemented **Cheerio** for secure web scraping from external URLs, automating data intake across multiple formats.
- Enabled PDF summarization by integrating the ILOVE-PDF API with **Multer** for upload parsing, ensuring high-accuracy text extraction across various PDF layouts.