MOHAMED IBRAHIM

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SKILLS SUMMARY

TECHNICAL
- Transformed design concepts into functional prototypes by leveraging front-end technologies like React, Next.js, and Tailwind while addressing the primary causes of customer drop-off during website navigation.
- Experienced with backend integration using tools such as Express.js, Node.js, Strapi CMS and Supabase, optimizing workflows and reducing setup time.
- Developed and optimized backend systems using Java, Spring Boot, and PostgreSQL, building RESTful APIs to ensure scalability, security, and efficient data flow.

PROJECT MANAGEMENT
- Conducted client website audits, identifying UI/UX and performance issues, leading to a 25% improvement in site usage.
- Applied Agile principles in a hackathon and internship setting, collaborating with teams to meet project milestones.
- Experienced in version control with Git/GitHub, ensuring efficient project tracking and collaboration.

WORK EXPERIENCE

SOFTWARE DEVELOPER   February 2025 - April 2025
MarsaTek   *Remote*
- Spearheaded the development of an AI-powered berth planning system utilizing Java, Spring Boot, and PostgreSQL, decreasing vessel waiting times by 15% and increasing overall port efficiency metrics.
- Engineered and deployed 3 RESTful APIs using Spring Boot framework, facilitating secure and scalable data exchange between frontend and backend services, leading to an overall improvement in data retrieval speeds.
- Collaborated with a cross-functional team to build a full-stack solution using React, TypeScript, and TailwindCSS, ensuring seamless integration between frontend and backend while maintaining high code quality through GitHub version control.

WEB DEVELOPMENT ASSOCIATE   January 2025 - March 2025
Civiconnect   *Beamsville, Ontario*
- Designed, developed and deployed 2+ responsive web applications using React, Next.js, Tailwind, and Strapi, improving user engagement for small to medium-sized businesses.
- Executed thorough assessments over three client websites to unearth performance bottlenecks, achieving a notable enhancement in user experience with improvements leading to an overall 25% increase in site performance metrics.
- Engaged in 40+ hours of technical and soft skills training through practical workshops, enhancing analytical capabilities which directly contributed to resolving key issues during web development projects and reducing project timelines.

PROJECTS

PLANETZE   November 2024 - December 2024
Java, Firebase, Android Studio, JUnit, Mockito, Jira
- Produced an Android app enabling users to track and reduce their carbon footprint, incorporating features like monitoring daily emissions, visual progress toward reduction goals, offsetting emissions, and providing sustainability tips through a dedicated resource center.
- Implemented Firebase authentication with email verification, ensuring secure user login and account management.
- Championed Agile methodologies within the team by deploying Scrum and Jira, resulting in a streamlined development cycle that boosted sprint delivery speed by 30% while ensuring adherence to project timelines.

CAREER PATH AI   October 2024
React, Express.js, Groq, Javascript, Node.js, PostgreSQL
- Architected an AI-driven career recommendation system during the Hack the Valley 9 hackathon, designed to analyze user data and provide tailored career suggestions based on skills, interests, and long-term goals.
- Engineered a React-based front-end that delivered real-time career suggestions, streamlined navigation, and interactive data input, significantly enhancing user engagement.

EDUCATION

UNIVERSITY OF TORONTO   Expected: April 2028
Honours Bachelor of Science   *Toronto, Ontario*
Specialist in Computer Science (Software Engineering Stream); Minor in Statistics
Awards**:** University of Toronto Entrance Scholarship ($2000)
Relevant Coursework: Software Design, Software Tools and Systems Programming, Computer Organization