Saif-Eddine Abdelkefi

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SUMMARY

Trilingual recent McGill graduate and full stack developer with 3+ years of experience. I leverage my technical background and AI tools to design scalable, secure and maintainable software.

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Python, SQL, Java, R
Frameworks: Next.Js, Django
Libraries: React, Node.js, Redux, Prisma, Mongoose, Three.js, D3
Tools: CursorAI, Unix, WSL, AWS, Git, Docker, Webpack, Jira, React & Redux dev tools

SOFTWARE ENGINEERING EXPERIENCE

Software Developer (promoted from intern), PixMob, Montreal, Canada   **May 2023 – Aug 2024**

- Planned, shaped, and implemented a scalable over-the-air device firmware update feature (over 90,000 devices) integrating front-end, back-end, and a bridge application for device polling and updating
- Developed and maintained a RESTful API for a scalable CRUD platform to streamline tailored access to inventory and resources for internal employees and clients
- Designed, engineered and tested features, UI components and custom hooks in a web application for 3D light show visualization using Three.js and React TypeScript

Intern Developer, Raymond Chabot Grant Thornton, Montreal, Canada   **May 2022 – Apr 2023**

- Designed and developed a PowerBI integrated application that manages the comments of financial statements and the relation between the CFO and the accountants. The app was sold to two clients for over 80,000$

EDUCATION

Bachelor of Science, McGill University, Montreal, Canada   **Sep 2020 – Dec 2024**

- Major in Computer Science, minor in Mathematics

Exchange Semester, Lund University, Lund, Sweden   **Sep 2023 – Dec 2023**

RELEVANT PROJECTS AND ROLES

GraphCards – Personal Project (Work in Progress)   **PRESENT**

- Building a Knowledge Management System (KMS) web application that visualizes relationships between concepts as an interactive graph leveraging OpenAI API and machine learning techniques, including word embeddings and clustering, for intelligent context-driven connections

Executive member in CodeJam, the biggest annual hackathon in McGill   **Sep 2024 – Nov 2024**

- Developed registration and team matching features on the CodeJam website for over 500 users
- Conducted Node.js, and MongoDB workshop for over 50 attendees

2022 FIFA World Cup Predictor –Project at McGill Artificial Intelligence Society   **Sep 2022 – Dec 2022**

- Trained an SVM machine learning model that accurately predicted the 2022 FIFA World Cup final between France and Argentina, correctly crowning Argentina as the winner