Rawan Karroum

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Experience

Junior Developer Intern May - Aug 2023
Carlton One Engagement

- Used JavaScript and PHP to transform UI/UX designs into user-friendly web interfaces, adding 15+ new features
- Linked front-end elements of websites with RESTful APIs for improved functionality and user experience
- Utilized DataDog to monitor and troubleshoot, reducing errors by 20%, and increasing system efficiency by 15%
- Used Docker for efficient organization and deployment of web applications

Applications Analyst, Co-op May - Aug 2022
PointClickCare

- Translated business requirements and use cases into system requirements
- Provided customization, configuration and troubleshooting support for internal departments using NetSuite and Salesforce, resolving issues 25% faster
- Designed, implemented, and tested new enhancements and solutions to drive business processes using NetSuite, Salesforce, Jira, and Confluence

Customer Service and Outreach Assistant Jan 2021 – May 2024
Toronto Metropolitan University

Technical Skills

Languages: JavaScript | HTML | CSS | Java | SQL | Tailwind CSS | Typescript | Python | PHP
Technologies: React.js | Java Spring Boot | Node.js | Express.js | Git | MongoDB | MySQL | Firebase | Kubernetes
Methodologies: Agile | Test-Driven Development (TDD) | Scrum

Projects

When I Work Clone Application May 2024 – Present

- Built a clone of the “When I Work” website using the MERN stack
- Created individual pages for employees and managers with customized views based on their roles
- Enabled employees to insert their monthly availability to facilitate schedule creation by managers, view their scheduled shifts, request shift swaps or drops, and filter shifts based on availability

Fitness Web Application Jan – Apr 2024

- Created a fitness app inspired by MyFitnessPal, using React.js, Typescript and Tailwind CSS
- Integrated REST APIs on the exercise page to look for workouts based on different search criteria using FastAPI
- Worked in a collaborative, agile team environment, using Scrum methodologies

Machine Learning Framework for Electric Grid Fault Detection Sept 2023 – Apr 2024

- Built an electric grid fault detector using Python, TensorFlow, and Keras, applying machine learning to enhance grid safety and efficiency, achieving an accuracy of 99.3%
- Collected data from sensors and meters, considering when, where, and the weather conditions
- Developed Multi-Layer Perceptron (MLP) models for both fault classification (with an accuracy of 94.7%) and outage prediction (with an accuracy of 71.56%)
- Built the user interface using Tkinter and custom Tkinter

Education

Bachelor of Computer Engineering (B.Eng.): Software Engineering 2020 – 2024
Toronto Metropolitan University

- Dean’s List 2020-2021 & 2022-2023 & 2023-2024
- CGPA: 3.72 / 4.33

Relevant Coursework
Object Oriented Analysis Design, Software Design Architecture, Software Project Management, Advanced Algorithms, Database Systems, Machine Learning and Intelligent Systems, Software Testing and Quality Assurance