Harman Sahota

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EXPERIENCE

Software Developer — November 2023 – April 2024
IFKT — Mississauga, Ontario
- Delivered production-ready software solutions, ensuring high quality and meeting performance metrics.
- Communicated with stakeholders to determine priorities, understand requirements, and explain tradeoffs.
- Utilized **Express.js** for the backend development to create **RESTful APIs**.

Software Developer — July 2023 – November 2023
Nachdi Jawani — Mississauga, Ontario
- Developed a multifunctional web application handling payment automation, student attendance tracking, automated email dispatch, and user-specific login capabilities.
- Used **Django** to create RESTful APIs for seamless frontend-backend communication. Employed **React** for the frontend and **MySQL** for backend, with cloud storage on **AWS**. Integrated **Stripe** for payments.
- Engineered and delivered a full-stack software solution, driving a **30%** efficiency boost in business processes through automation, optimizing manual tasks for the client.

Software Developer — May 2022 – August 2022
Signature Culinary Solutions — Mississauga, Ontario
- Managed a large codebase ensuring code quality and maintainability.
- Implemented software functionalities to streamline warehouse data processing and analysis, resulting in a **95%** increase in data accuracy and a **25%** boost in overall business efficiency.
- Contributed to developing features for efficient warehouse data management within an ERP software system.

Computer Assistant/Technical Support — May 2019 – May 2022
Canadian Mental Health Association (CMHA) — Kelowna, BC
- Demonstrated understanding of Windows, Linux, networking, storage, and basic security technology to troubleshoot and maintain computer systems effectively.
- Managed ticketing and monitoring systems, ensuring efficient resolution of IT issues and proactive monitoring of network infrastructure.

PROJECTS

NLP Chatbot | Github Link | Python, NLP, Node.js, Vue.js, Git — September 2020 – December 2020
- Collaborated and communicated effectively with a team of 4 students to design and develop a chatbot application.
- Utilized **NLP** techniques, including **POS tagging**, to generate smart replies to messages and perform sentiment analysis on message emotions. Integrated multilingual conversation capabilities.

Foodsaviour | Github Link | React.js, Python(Django), Node.js, JSON, D3.js, Git — May 2019 – May 2023
- Collaboratively developed and documented a full-stack application for a non-profit client, using **Django** for the backend, integrating JWT tokens for authentication, and implementing data visualization with **D3.js**.
- Wrote unit tests in **JUnit** and set up **CI/CD** in GitHub for code testing on push events.
- Implemented **RESTful APIs** with **Django** for efficient communication between frontend and backend components.

TECHNICAL SKILLS

Languages/Frameworks: Python, JavaScript, Java, HTML/CSS, Django, React.js, PHP, Typescript, C, Swift, Node.js, Express.js

Databases and Cloud Technologies : MySQL, MongoDB, SQLLite, Google Firebase, AWS, GCP

Operating Systems AND Testing: Linux, Windows, MacOS, CI/CD, Test automation

Tools/Methodologies: Git, RESTful Api's, Docker, Agile (Scrum), Soft Skills (Communication, Collaboration, Time Management, Eager to Learn), Additional Skills (SDLC)

EDUCATION

University of British Columbia — Kelowna, British Columbia
Bachelor of Science in Computer Science