

Anmol Lamba

Software Developer

Passionate about programming and dedicated to ongoing skill enhancement through hands-on experiences and projects. Strong communicator and collaborative team player.

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WORK EXPERIENCE

Software Development Engineer

GreyB

01/2023 - Present

Mohali

Achievements/Tasks

- Independently built a full-stack application with Nuxt 3, FastAPI, SQLAlchemy and Element Plus to identify patent buyers.
- Developed a JavaScript library from scratch for dynamic SQL query generation, enhancing efficiency up to 10x with built-in result presentation and error management.
- Developed numerous FastAPI-based APIs for diverse functionalities.
- Utilized the Mocha testing framework to generate over 500 test cases and conducted comprehensive product testing.
- Contributed to the development of a chatbot with a custom knowledge base utilizing OpenAI API, GPTIndex, and Langchain, involving training on extensive datasets.
- Successfully collaborated within a team on multiple small-scale utility projects, contributing to their development and implementation.
- Authored 8 marketing articles and provided valuable insights to clients as part of tool promotion and client engagement efforts.

Web Developer

Inventive Cafe Pvt Ltd.

05/2021 - 07/2021

Remote

Achievements/Tasks

- Effectively oversaw and executed website development initiatives.
- Converting design prototypes into fully operational web interfaces.
- Enhanced website performance by optimizing SEO strategies and reducing loading time by 30%.
- Executed code refactoring initiatives while adhering to industry-best coding standards.

EDUCATION

Bachelor of Engineering - Computer Science And Engineering

UIET, Panjab University

08/2019 - 06/2023

8.35 CGPA

TECHNICAL SKILLS

React JS

Nuxt 3

FastAPI

SQL

SQLAlchemy

Docker

Javascript

HTML

Vue JS

CSS

Figma

Bootstrap

Element plus

Vuetify

Git

Python

C++

Mocha

SEO

Selenium

Metabase

PROJECTS

Full Stack Utility

- Designed and constructed a self-contained application harnessing the capabilities of Nuxt 3, FastAPI, Element Plus, and SQLAlchemy for the purpose of identifying potential buyers for patents.
- Incorporated significant performance enhancements to reduce data retrieval time for the home page by 90%.
- Additionally, the utility boasts an autocomplete feature for streamlined user interactions and incorporates an advanced sorting algorithm to enhance data organization and accessibility.
- Implemented SEO optimization strategies, achieving 1st page rankings in search results. Leveraged Google Search Console and Google Analytics for performance monitoring and user behavior insights.

SQL Query Generation

- Developed a FastAPI-based API that fetches dynamic SQL queries generated based on user input using OpenAI API.
- Designed a superadmin website enabling administrators to upload project schemas and generate unique authentication keys.
- Developed a JavaScript library for effortless integration into projects using uploaded schemas via the superadmin website, simplifying result presentation and error management. Achieved a 5x reduction in team workload.

GitLab Issue Tracker

- Integrated GitLab API and PostgreSQL seamlessly, while harnessing the power of Metabase to create a comprehensive utility for extracting, storing, and tracking project-specific data, all under one unified solution.
- Implemented a cron job to automate this process, ensuring timely and efficient data updates.
- Implemented an interactive dashboard, cutting manual checks and increasing team productivity by 70% for streamlined monitoring.

Bulk Input Processing API

- Created a bulk API for efficient processing of large volumes of data, resulting in an 80% reduction in task completion time.
- Enhanced data processing capabilities, providing additional information and delivering improved results.