VINH NGUYEN

Data Analyst/Data Administrator/Software Engineer

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OBJECTIVE

- Computer Science graduate with strong fundamental skills in database design, SQL, and Python, etc .
- Experienced in data analysis, visualization, and developing data-driven solutions to support strategic decision-making.

EXPERIENCE

Shift Manager

(MeetFresh)

📅 DEC 2021– AUG 2023   📍 Westminster, California

- Supervised and trained a team of staff, fostering a positive work environment and maintaining high performance standards.
- Assisted in the hiring process, conducting interviews and selecting qualified candidates for open positions.
- Successfully resolved customer concerns and inquiries, enhancing overall customer satisfaction.

PROGRAM LANGUAGES

- Java
- C/C++/C#
- SQL, MySQL, NoSQL
- Python, Latex
- HTML/CSS/Bootstrap
- JavaScript, ReactJS
- Python
- Node.js
- Assembly Language
- PHP

FRAMEWORKS/ IDE

Java Development Kit(JDK)   .NET   ASP.NET   AWS

Realtime FireBase   Cloud Firestore/ Google Cloud Platform

MongoDB   PostgreSQL   Microsoft SQL   Azure SQL

Oracle Database   Power BI   Eclipse   IntelliJ   Power BI

Tableau   Linux   Visual Studio

EXTRACURRICULAR

CSUF Video Game Design Club

- Participated in the development of game concepts, providing input on gameplay mechanics and visual elements.
- Collaborated with fellow members to brainstorm and conceptualize innovative game ideas.
- Took on a dual role of learning and teaching, fostering a collaborative environment for skill development in game design.

EDUCATION

- Obtain a B.S. Computer Science at California State University, Fullerton - 2025
- IBM Data Science certification (2024)
- IBM Data Analyst certification (2023)

PROJECTS

Interactive Sales Analytics Dashboard

Tech Stack: Python, Pandas, Plotly/Dash, SQL

- Designed and developed an interactive dashboard to visualize regional and product-level sales performance.
- Integrated SQL databases with Python for automated data extraction, cleaning, and transformation.
- Developed advanced data visualizations (heatmaps, time series trends, and geospatial plots) to uncover business insights.

Real-Time Fraud Detection System

Tech Stack: Python, Tensorflow, Apache Kafka, SQL

- Developed a machine learning-driven fraud detection pipeline to analyze financial transactions in real time.
- Implemented data ingestion and streaming with Apache Kafka for scalable, low-latency event processing.
- The model was deployed in a production-like environment with REST APIs, automated alerts, and real-time dashboards.

Employee Payroll Management System

Tech Stack: SQL, Python

- Designed and implemented a normalized relational database schema for managing employee payroll and HR records.
- Created stored procedures and SQL queries to handle payroll calculations, tax deductions, and benefit processing.
- Data security and consistency are enforced using indexing, role-based access controls, and integrity constraints.

COVID-19 Tracker Website

Tech Stack: HTML, CSS, JavaScript, React, Node.js, Python, SQL

- Developed an interactive web application to track COVID-19 cases using dynamic maps and real-time graphs.
- allowing users to explore regional statistics and historical trends through an intuitive user interface.
- Integrated back-end services for fetching and visualizing live data updates from public APIs.