DANG NHAT

DATA ENGINEER

Go Vap District, HCMC

☐ (+84) 0354883673 | ✉ dangnhatsimon@gmail.com | ⬚ dangnhatsimon | ⬚ dangnhatsimon

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Your Company

HO CHI MINH CITY, VIETNAM

Job Application for Data Engineer

Dear Recruitment Team,

I am writing to express my strong interest in the Data Engineer position at your company as advertised on LinkedIn. While I may have less than one year of professional experience, I am passionate about back-end development, data engineering, and programming, and I am eager to embark on a career with a forward-thinking company like your company. My educational background and coursework in IBM Data Engineering, Google Data Analytics and Google IT Automation with Python have equipped me with a strong foundation in the skills required for this role.

I have practical experience in implementing web scraping techniques and using APIs to extract data with Python libraries such as BeautifulSoup, Selenium, Scrapy. Moreover, I have designed and managed relational databases, applying concepts of database administration to RDBMSs like MySQL, PostgreSQL, and IBM Db2. I am adept at composing powerful SQL queries, utilizing advanced techniques such as views, transactions, stored procedures, and joins.

With Linux and Shell Scripting, I have developed shell scripts using Linux commands, environment variables, pipes, and filters. My coursework also includes scheduling cron jobs in Linux with crontab, showcasing my proficiency in automating tasks and maintaining system health.

Moreover, I have gained a working knowledge of NoSQL and Big Data technologies, including MongoDB, Cassandra, Cloudant, Hadoop, Apache Spark, Spark SQL, Spark ML, and Spark Streaming. These skills are essential in handling large volumes of data and ensuring optimal performance.

Furthermore, I have experience in implementing ETL processes and data pipelines using tools like Bash, Apache Airflow, and Kafka. I understand the importance of architecting, populating, and deploying Data Warehouses and have the capability to create business intelligence reports and interactive dashboards.

In addition, I have used Python and external libraries to automate tasks such as updating catalog information, processing supplier data images, and generating PDF reports for efficient communication. Additionally, I have employed APIs to interact with web services, showcasing my ability to integrate systems and automate data-related processes.

The collaborative and innovative environment at your company strongly resonates with my career aspirations. I am eager to contribute to your data engineering initiatives and collaborate with cross-functional teams to develop robust solutions that address complex challenges. Moreover, I am impressed by your company's commitment to staying at the forefront of technology trends, which aligns perfectly with my own drive for continuous learning.

Thank you for considering my application. I would welcome the opportunity to discuss in more detail how my background and skills can contribute to the continued success of your company. Please find my attached resume for your reference. I look forward to the possibility of contributing to your team's success.

Sincerely,

DANG NHAT

Attached: Curriculum Vitae