NEXTPHASE.ai

Carter Phan
Data Engineer / Software Engineer
San Francisco Bay Area

Summary

Carter is a highly skilled technical resource with hands-on expertise in data engineering, data transformation, data analysis, AI/ML integration, and software engineering. He possesses extensive experience across various cloud platforms such as AWS, Snowflake, Azure, and Databricks. Additionally, Carter is proficient in Python, Java, C++, SQL, and utilizes a diverse array of technologies including Docker, Airflow, Fivetran, Airbyte, DBT, and Great Expectations to deliver robust solutions and drive optimal outcomes for data-driven initiatives.

Professional Experience

NextPhase.ai – San Mateo, CA   Jan 2024 – Present
Data Engineer / AI/ML Engineer

- Lead engineer responsible for the design and development of a custom GenAI application for a client.
- Worked closely with the client to understand unique requirements to architect data infrastructure needed to support GenAI application.
- Assessed and performed testing of various LLMs to determine best model fit for client's requirements including performance, reliability, security and governance.
- Leveraged ETL/ELT tools and processes to curate data used for embedding, retrieval and training.
- Provisioned and configured all the necessary resources for the data architecture including AWS components, RAG, VectorDBs, LLM tools.

ZenOptics – San Jose, CA   Aug 2022 – Dec 2023
Software Engineer

- Collaborated closely with the development team to develop a web-based application, including APIs, for the company's core website and mobile application.
- Enhanced database performance resolved software bugs, and diligently documented existing code for future reference.
- Employed a stack including Java, MySQL, and SQL Server to innovate new features while ensuring the stability and upkeep of the existing codebase.
- Actively participated in Agile development, including daily stand-ups, code reviews, and sprint planning.
- Implemented GitLab for version control, enhancing code management and enabling seamless collaboration with globally dispersed teams.

Education

University of California, Davis | Bachelor of Science in Computer Science

Skills

Programming Languages:	Python, Java, C++, C#, C, JavaScript, SQL, HTML, CSS
Data Tools:	Airflow, DBT, Great Expectations, Fivetran, Meltano, Airbyte
AI/ML:	ChatGPT, Claude, Mistral, Gemini, PaLM2, LlamaIndex, RAG development
Frameworks and Libraries:	.NET, React, NumPy, and SciKit
Cloud Platforms & Databases:	AWS, Azure, Databricks, Snowflake, MySQL, Oracle, SQL Server, PostgreSQL
Tools:	Docker, Git, Jenkins, Bash, PuTTY, JetBrains, Visual Studios, Xcode
Additional Experience:	Agile Development, CI/CD, Pair Programming, Version Control, Windows, Linux, iOS, Android, Wireframing, MVC Design