SPANDAN BEMBY

spandanbemby.com ⋄ github.com/spandanb ⋄ linkedin.com/in/spandan-bemby
spandan.bemby@gmail.com ⋄ (650) · 283 · 5376 ⋄ Aliso Viejo, CA

ABOUT

I am a highly self-directed software developer with strong design and implementation fundamentals. I thrive working on meaningful problems, with technical depth and broad impact.

SKILLS

Concepts Design, implementation, and evolution of distributed systems optimized for scalability, latency, reliability, consistency/correctness, user-experience, and other higher-level derived metrics. Relational and NoSQL databases. Performance analysis.

Languages Python, C#, SQL

Technologies PostgreSQL, SQL Server, Docker, Kubernetes, AWS, Azure, Google Cloud

EXPERIENCE

Microsoft — Feb 2020 - Present
Software Engineer — *Aliso Viejo, CA*

· Worked on evolution of platform for running performance related experiments and diagnosing performance issues
· Extended the platform to enable expression of new type of test scenarios, e.g. complex concurrent execution scenarios, which were used to performance benchmark the product (data warehouse SaaS)
· Leading a new effort to modernize the performance platform

Cruise Automation — May 2017 - Aug 2019
Data Infrastructure Engineer — *San Francisco, CA*

· Worked on end to end management of sensor data, including: storage, transformation, validation, indexing, and retrieval of data optimized for several key use cases
· Specifically, led design and implementation of catalog service which provided RESTful access to metadata about various datasets; and was critical to other derived pipelines, e.g. for model training and performance validation.
· Contributed to the design reviews, prototyping, and implementation of other parts of the data infrastructure stack, e.g. ingestion of real and simulated sensor data into data lake

Insight Data Science — September 2016 - December 2016
Data Engineering Fellow — *Palo Alto, CA*

· Designed a platform to give runners real time feedback on how their instantaneous speeds compare with other users'.
· Utilized Spark for batch and real time processing, Elasticsearch for geospatial queries, and Kafka for ingestion.

EDUCATION

University of Toronto — *September 2016*
M.A.Sc. in Computer Engineering
Thesis: Distributed orchestration of heterogeneous resource types over public and private clouds