

AWS certified developer and graph database expert and software engineer with history of successfully leading the implementation & maintenance of large-scale graph projects. I am the author of *Practical Neo4j* and a frequent speaker on using graph database technology.

Recent Projects

- Developed a cloud-based Knowledge Graph / Spring Boot application for a \$2T international financial services company using Java/Spring, Python and Neo4j. Developed data model, ETL/data pipeline, and cloud architecture as well as integration of graph visualization tools.
- Developed cloud-based payment & analytics Spring Boot application for a \$15B, international retailer using Java/Spring + Graph Database. Created web services, data model & architecture and ETL. Led to a 10x increase transaction volume capability and reduced software and hardware costs by over \$3M.

Experience

3/2022 – Present

CTO/Head of Data & Development
Orion FCU

- Utilize Java/Spring & Python for cloud-based ETL/ELT pipelines for key financial data and events for organizational and departmental reporting.
- Led the implementation for real-time, data replication of the core banking database to into AWS data warehouse and pipelines for 3rd party data to support organizational business intelligence and analytics.
- Build Spring Boot applications & Python applications for required federal reporting, e.g. Emergency Capital Investment Program.

4/2021 – 3/2022

Senior Software Developer
JP Morgan Chase & Co

- Created data API using Spring Boot and Java utilized by sales and risk teams.
- Performed code reviews & deployments for custom Java/Spring applications.
- Work with product owners to understand business needs, document project work and implement custom software solutions.
- Plan & implement security controls and auditing for cloud-based systems, applications, and APIs.

5/2014 – 4/2021

Principal Architect / Developer
Graph Story


- Created Spring Boot applications for Fortune 500 companies in finance, logistics, retail, and services industries
- Led graph modeling, query design & query optimization
- Configure and maintain cloud-based infrastructure of database clusters/instances
- Create ETL processes & RESTful microservices with Java/Spring & Python
- Integrate graph plugins, libraries, and customized workflows
- SSO/Authentication/Authorization integration
- Created custom libraries for security, monitoring, and error handling

Education & Publications


M.A. University of Memphis (Thesis: *XML for Technical and Professional Writers*)**B.A.** University of Memphis**Practical Neo4j** (2014, ISBN : 9781484200230)

Programming Skills


Java/Spring

 Excellent (10+ years)


Python

 Excellent (8+ years)


JavaScript

 Excellent (10+ years)


SQL

 Excellent (10+ years)


Git

 Advanced (8+ years)

GQL/Cypher


 Excellent (8+ years)

HTML/CSS


 Excellent (10+ years)

Database Skills


Neo4j

 Excellent (8+ years)


MongoDB

 Advanced (4+ years)


MySQL

 Excellent (10+ years)

SQL Server

 Excellent (10+ years)


Oracle

 Advanced (10+ years)

ArangoDB


 Excellent (4+ years)

JanusGraph


 Intermediate (2+ years)

Cloud/Ops Skills


AWS

 Excellent (8+ years)

ETL

 Excellent (10+ years)

ML

 Intermediate (2+ years)

UI Tools

React




 Advanced (3+ years)

Chart.js

 Advanced (7+ years)

D3.js

 Intermediate (2+ years)