

Functional Programming with Scala

Project Title: Test Project

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November 19, 2024

- **Your Specific Contribution:**

- Imported the data into MongoDB Atlas
- Formulated queries on Neo4j to extract relevant insights:
 - Query 1: Extracted top 5 impact scores for CVEs from 2024.
 - Query 2: Extracted top 5 impact scores for CVEs from 2023 with `baseSeverity = MEDIUM`.

- **Methodology or Approach:**

- Used Spark to interface with MongoDB and Neo4j for data import and query execution.
- Applied Cypher queries to structure and analyze relationships between CVEs, descriptions, and impact scores in Neo4j.

- **Challenges:**

- Importer les données dans MongoDB
- Connecter Spark à Neo4j et exécuter des requêtes Cypher.

- **Resolutions:**

- Filtrage des données pour inclure uniquement les CVEs de 2023 et 2024.
- Configuration de Neo4j Spark Connector.

- **Learnings:**

- Gestion de données dans MongoDB Atlas.
- Utilisation de Cypher pour interroger Neo4j.