

CONNOR THOMAS

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EXPERIENCE

JPMorgan Chase & Co.

Tampa, FL

Software Engineer III

Feb 2021 – Aug 2023

- Advise stakeholders on best practices for creating a unified API data mesh, facilitating the decoupling of legacy systems and migration to a globally distributed AWS EKS Java Spring microservices architecture.
- Architect and implement Java Spring GraphQL APIs with intricate, deeply nested data schemas to meet complex client requirements, enabling efficient data mutations and seamless schema versioning.
- Develop and optimize scalable ETL pipelines for a Hadoop / Apache Spark data warehouse responsible for processing millions of daily transactions for machine learning analytics, APIs, fraud detection, and audits.
- Leverage PySpark DataFrames and custom Python scripts to transform and analyze data in response to dynamic, ad-hoc business needs, ensuring consistent, high-performance data access to billions of records.
- Secure API endpoints and protect sensitive data by implementing robust authentication protocols (OAuth 2.0, AWS IAM, and Kerberos) with an entitlements hierarchy of over 100 roles to enforce data governance.

Software Engineer II

Feb 2019 – Jan 2021

- Deliver feature enhancements for a Java Spring Angular environment management and observability web site, reducing monthly production issues by 5% for over 200 globally deployed production applications.
- Create a Java Spring REST API for monitoring configuration drift and streamlining change management processes through a comprehensive dashboard to compare infrastructure across deployment environments.
- Lead a team to design a Python-based Rasa NLP chatbot integrated with multiple back-end data stores and APIs, delivering a cohesive interface that consolidates access to internal tools and client support teams.
- Design a Python Flask dashboard utilizing MariaDB tables and DataTables JavaScript graph library to enable tracking of key metrics and generation of ad hoc reports for a global Python upskilling initiative.

Software Engineer I

July 2018 – Jan 2019

- Develop a Python-based automation pipeline to maintain and renew SFTP, HTTPS, and AS2 certificates.
- Actively contribute to peer code reviews and apply Test-Driven Development (TDD) principles with MockMvc and JUnit 5 to ensure high-quality, maintainable code with a minimum of 85% test coverage.

SKILLS

Certifications & Languages: AWS Certified Developer Associate, Java, Python, SQL, JavaScript, TypeScript

Frameworks & Libraries: Spring, Hibernate, GraphQL, JUnit, MockMvc, React, Angular, Flask, Django

Databases: Oracle, PostgreSQL, Aurora, DynamoDB, Cassandra, MariaDB, Firebase, Elasticsearch, MongoDB

DevOps Tools: Docker, Kubernetes, Terraform, Prometheus, Splunk, Linux, Gradle, Maven, Jenkins, GitLab

EDUCATION

Bachelor of Science in Computer Science

University of South Florida