

CONNOR THOMAS

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EXPERIENCE

JPMorgan Chase & Co.

Tampa, FL

Software Engineer III

Jan 2025 – Present

- Design a document processing Python microservice utilizing AWS Textract and AWS Comprehend to redact handwritten PII from scanned documents, improving data security and reducing manual processing effort.
- Prototype a React UI and Java Spring REST API to modernize legacy WebFOCUS BI utilities, enabling dynamic client-driven report generation and streamlining data retrieval from Db2 mainframe data sources.

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.
- Develop and optimize scalable ETL pipelines for a Hadoop / Apache Spark data warehouse responsible for processing millions of daily transactions for machine learning analytics, fraud detection, APIs, 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.
- 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.
- Secure API endpoints and protect sensitive data by implementing robust authentication protocols (Kerberos, OAuth 2.0, and AWS IAM) with an entitlements hierarchy of over 100 roles to enforce data governance.

Software Engineer II & I

July 2018 – 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.
- Deploy a Python-based email automation pipeline to proactively monitor and manage the renewal of SFTP, HTTPS, and AS2 certificates, improving client visibility and optimizing self-service workflows.

SKILLS

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

Frameworks | Libraries: Spring, Hibernate, GraphQL, JUnit, MockMvc, React, Angular, Node.js, Pandas

Databases: Oracle, PostgreSQL, MariaDB, Aurora, DynamoDB, Cassandra, ElasticSearch, Firebase

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

EDUCATION

Bachelor of Science in Computer Science

University of South Florida