Alexander Garcia

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SKILLS AND BUZZWORDS

Languages: C#, Javascript/**Typescript**, Perl, **Python**, **Scala**, SQL
Frameworks: Behave, Django, Flask, Jest, NestJS, Node.js, Swagger, SQLAlchemy, TypeORM, Vue.js
Technology: **AWS**, Docker, Jenkins, Kafka, Kibana, **OpenTracing**, Postgres, Snowflake, Spark

WORK EXPERIENCE

CAPITAL ONE | SENIOR SOFTWARE ENGINEER   New York, NY | January 2024 - Present

- **Data Storage Platform:** Enable efficient storage solutions for Capital One's data lake
  - Extracted core logic from a Scala API into a Python lambda function, transforming the legacy application into a critical service in creating Apache Iceberg-enabled datasets for the company
  - Quickly delivered a Python Flask API to support a self-service Snowflake data publishing SDK
  - Automated 1,500 dataset migrations to the OneStream platform, a key initiative highlighted by Capital One CEO in a shareholder meeting
  - Led OpenTelemetry adoption for enterprise Apache Iceberg provisioning systems, delivering PoCs and knowledge sharing to 3 teams

DOTDASH MEREDITH | SENIOR SOFTWARE ENGINEER   New York, NY | August 2021 - December 2023

- Consistently achieved the highest performance review ratings across all review cycles
- **CMS Core Framework:** Design shared features and centralize common usage patterns across the DDM publishing platform
  - Integrated multiple external systems to deliver updated, more editor-friendly, video publishing process
  - Design and develop threaded feedback system intended to be used by editors across multiple publishing platform applications
- **Greenhouse Workflow:** Develop a new, more integrated editorial workflow management tool
  - Managed team of junior engineers focused on the workflow API, and serve as a learning resource for a temporary front end team
  - Developed Vue workflow component library to make other DDM publishing applications workflow aware
  - Design updated pipeline for adding "review stamps" to published articles after going through expert review workflows
  - Maintain legacy Django powered workflow management tool during replacement process

FACTSET RESEARCH SYSTEMS INC. | SOFTWARE ENGINEER III   New York, NY | July 2019 - August 2021

- Rated in the top 5% of employees, earning the highest performance rating possible after showing initiative to understand and contribute to new projects quickly after joining
- **Concordance:** Expose <u>FactSet's Concordance engine</u> [1] to clients through multiple entry points
  - Built major end to end features of the client facing Concordance site
  - Lead creation and testing of Concordance integration with Snowflake
  - Developed asynchronous data export pipeline using Redis and Python's `rq` library
- **Cornerstone:** Maintain legacy, but critical, scheduling and calculation engine used for client data delivery
  - Responded to client inquiries and critical issues as part of a weekly on call rotation
  - Prototyped, then implemented a Kafka based job triggering pipeline to improve resilience and easy recovery of critical workflow scheduler infrastructure

EDUCATION

Rensselaer Polytechnic Institute   Troy, NY | May 2019
BS COMPUTER AND SYSTEMS ENGINEERING

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[1] https://go.factset.com/global-asset-manager-unifies-disparate-esg-provider-data-with-factset-concordance-and-data-management-solutions-case-study