

## CHASE F. CONOVER

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## SUMMARY

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Software Engineer with 3+ years of experience working with production relational databases, cloud-native systems, and data-driven applications. Strong background in SQL, data modeling, schema governance, and Python-based analysis. Proven communicator who collaborates closely with business and technical stakeholders to deliver reliable, well-documented data solutions

## PROFESSIONAL EXPERIENCE

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### JPMorgan Chase — Software Engineer *July 2022 – August 2025*

#### Data, SQL, and Database Architecture

- Regularly queried and analyzed **production PostgreSQL databases** to investigate data issues, validate business logic, and support operational and product teams
- Designed and maintained **relational data models**, including primary keys (e.g., funding order IDs), foreign keys (funding source IDs), indexes, and table partitions based on data lifecycle (historical vs. mutable records)
- Implemented and governed **schema changes using Liquibase**, authoring DDL and migration scripts that were reviewed and approved through formal data governance processes
- Reviewed existing data models for correctness, performance, and compliance with enterprise standards before production rollout
- Created and maintained **shared SQL query libraries** used by multiple teams for reporting, validation, and operational troubleshooting, accompanied by clear internal documentation

#### Testing, Validation, and Quality

- Built automated test cases that included **SQL-based validations** to verify database state, data integrity, and downstream effects of application changes
- Analyzed and documented test results to ensure technical and business requirements were met across development and production environments

#### Python & Data Analysis

- Used **Python** to parse Excel datasets, scrape and normalize external data sources, interact with third-party APIs, and generate datasets for analysis
- Analyzed medium-sized datasets and produced visualizations to identify trends, validate assumptions, and support decision-making

#### Communication & Collaboration

- Worked closely with business partners, product owners, and IT teams to gather requirements, explain data structures, and translate business needs into technical solutions
- Clearly communicated findings, data issues, and proposed solutions to both technical and non-technical stakeholders

## EDUCATION, CERTIFICATIONS, & TECHNICAL SKILLS

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**Education:** Virginia Tech, B.S. in Computer Science, Minor in Cyber Security

**Certifications:** AWS Certified Developer Associate, HashiCorp Certified Terraform Associate

**Languages:** Java, Python, C#, C, JavaScript, PostgreSQL

**Database:** Relational Data Modeling, Schema Design & Migration (Liquibase) Data Validation, Data Governance