



# Colton McCormick

## Senior Oracle Data Engineer

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### SUMMARY

Senior Oracle Data Engineer with 10 years delivering enterprise database, **ETL**, analytics, integration, and modernization solutions. Eight plus years of **Oracle Database** development and **performance tuning** support reliable application and reporting workloads. Seven plus years with **Informatica PowerCenter** include trusted datasets, dimensional warehouse structures, validation controls, and production recovery procedures. Hands on Python, Unix Shell, Control M, AutoSys, GitHub, GitOps, Jenkins, OBIEE, and OAS work connects engineering delivery with dependable business reporting. Technical leadership includes architecture reviews, migration planning, cloud and on premises integration, code review, production troubleshooting, data governance, security, documentation, and engineer mentoring. Collaborative work with architects, application teams, analysts, and business users turns complex requirements into scalable data solutions that protect quality, reliability, and delivery consistency.

### EXPERIENCE

#### Senior Oracle Data Engineer

Blue Mesa Data Systems 📅 January 2022 - Present 📍 Dallas, TX

Leads enterprise Oracle data engineering across application and analytics workloads, supporting database design, ETL modernization, automation, deployment practices, architecture decisions, production reliability, and engineer development.

- Designed PL SQL components for critical batch processes, improving reporting reliability across enterprise workloads.
- Tuned **Oracle SQL** with execution plans and indexing, resolving production performance constraints for reporting.
- Modernized PowerCenter workflows with validation controls and restart procedures across **cloud** and **on premises** sources.
- Automated file checks and job preparation through **Python** and **Unix Shell**, reducing manual operations.
- Established **GitHub**, GitOps, and Jenkins practices for reviewed, repeatable database and ETL deployments.
- Guided architecture reviews and migration planning, helping stakeholders resolve incidents and align technical decisions.
- Mentored engineers through code reviews and troubleshooting, strengthening delivery consistency across data initiatives

#### Oracle Data Engineer

Lone Star Analytics Group 📅 July 2019 - December 2021 📍 Fort Worth, TX

Engineered warehouse integration and reporting data services, connecting operational sources with dimensional models, scheduled processing, governed datasets, production support, and Agile delivery.

- Engineered PowerCenter pipelines that converted operational sources into dimensional warehouse structures for reporting.
- Optimized **Oracle SQL** and PL SQL reconciliation workloads, supporting dependable overnight processing cycles.
- Managed **Control M** and AutoSys schedules, restoring failed jobs through logs and dependency analysis.
- Delivered curated datasets to **OBIEE** and **OAS**, resolving source to report discrepancies before releases.
- Applied **data quality** checks, access controls, and governance requirements across integration workflows.
- Contributed runbooks, data flow diagrams, code reviews, and Agile planning for **production support**.

### STRENGTHS

- 🔧 **Production Troubleshooting**  
When overnight processing failed, traced logs and dependencies quickly, restoring trusted data and earning confidence from reporting teams.
- ♥ **Database Performance**  
Used execution plans, indexing, and statistics on constrained workloads. Teams sought guidance when query behavior became difficult.
- 🔗 **Integration Delivery**  
Standardized PowerCenter mappings and restart controls across varied sources, giving engineers a clearer path through releases.
- 👥 **Technical Mentoring**  
Code reviews and architecture discussions helped newer engineers make sound choices. Mentoring became a practical team resource.
- 🗣️ **Stakeholder Partnership**  
Translated business and architecture needs into workable data solutions, keeping analysts and application teams aligned during change.

### SKILLS

Oracle Database Oracle SQL

PL/SQL Informatica PowerCenter

ETL Data Warehousing

Dimensional Modeling Python

Unix Shell Control M AutoSys

[GitHub](#) [GitOps](#) [Jenkins](#)

[Performance Tuning](#)

## LANGUAGES

English Native

Spanish Intermediate

## MY CAREER



● Senior Oracle Data Engineer at Blue Mesa Data Systems (4.8 Years)

● Oracle Data Engineer at Lone Star Analytics Group (2.4 Years)

● Data Integration Developer at Prairie Oak Consulting (2 Years)

● Junior Database Developer at Cedar Bridge Software (7 Months)

- Partnered with analysts and application teams to resolve data issues before business reporting deadlines

### Data Integration Developer

Prairie Oak Consulting 📅 June 2017 - June 2019 📍 Austin, TX

Built client data integration solutions covering PowerCenter mappings, Oracle transformation logic, migration reconciliation, operational scripting, performance analysis, documentation, and cross team defect resolution.

- Built PowerCenter mappings that transformed source specifications into validated enterprise datasets for clients.
- Created **Oracle SQL** and PL SQL routines for cleansing, lookups, audits, and reconciliation.
- Wrote Python and **Unix Shell** utilities for profiling files and checking recurring transfers.
- Analyzed inefficient Oracle queries and implemented approved indexing changes for improved processing.
- Maintained mapping, dependency, deployment, recovery, and **production support** documentation across client workstreams.
- Resolved integration defects with analysts, application developers, database teams, and business specialists.
- Supported **migration** work by comparing source records with transformed targets and documented evidence

### Junior Database Developer

Cedar Bridge Software 📅 October 2016 - May 2017 📍 Richardson, TX

Developed **Oracle database** components for reporting and processing applications, supporting controlled transformations, testing, data investigation, scheduled automation, release validation, and operational documentation.

- Developed **Oracle SQL** and PL SQL components for reporting applications under senior review.
- Created **stored procedures** and **functions** with coding standards, controlled transformations, and documented test cases.
- Investigated data defects by comparing source records, transformation logic, and target results.
- Automated validation and file handling tasks with **Unix Shell** during scheduled processing.
- Supported releases through version control, peer review, deployment checklists, and validation.
- Produced technical notes covering query logic, dependencies, test evidence, and operational support.
- Applied senior feedback during database **troubleshooting**, improving coding discipline and release readiness

## PROJECTS

### Cloud Data Modernization 📅 2024

Aligned cloud and on premises integration practices with reliable migration controls, deployment automation, validation checks, and trusted reporting datasets for enterprise consumers.

### Governed Reporting Warehouse 📅 2022

Connected dimensional modeling, PowerCenter workflows, Oracle processing, and OBIEE reporting with quality controls that gave business users dependable information.

## LEADERSHIP & AWARDS

- Technical Mentor, Data Engineering Mentorship Program, 2023 to Present
- Engineering Representative, Enterprise Data Architecture Working Group, 2022 to Present
- Recognized by delivery teams for dependable production troubleshooting and practical technical guidance

## EDUCATION

### Bachelor of Science in Information Systems

University of Texas at Arlington 🎓 GPA: 3.5 📅 2016 📍 Arlington, TX

**Coursework:** Database systems, systems analysis, data communications, information security

## CERTIFICATIONS

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- Oracle Database SQL Certified Associate 📅 2021
- Informatica PowerCenter Developer Certification 📅 2020
- AWS Certified Cloud Practitioner 📅 2024

## TECHNICAL SKILLS

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- **Oracle Database:** Oracle SQL, PL/SQL, Stored Procedures
- **Informatica:** PowerCenter, ETL Mappings, ETL Workflows
- **Data Warehousing:** Dimensional Modeling, Trusted Datasets, Data Flows
- **Scripting:** Python, Unix Shell, File Validation
- **Scheduling:** Control M, AutoSys, Batch Processing
- **DevOps:** GitHub, GitOps, Jenkins
- **Business Intelligence:** OBIEE, OAS, Enterprise Reporting
- **Cloud Integration:** Cloud Platforms, On Premises Integration, Cloud Transformation
- **Data Quality:** Validation Controls, Reconciliation, Data Integrity
- **Governance:** Data Governance, Security, Regulatory Practices
- **Delivery Methods:** Agile, Code Review, CI/CD

## PROFESSIONAL AFFILIATIONS

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- Data Engineering Mentorship Program, Technical Mentor
- Enterprise Data Architecture Working Group, Engineering Representative

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST