

Luka Cohen

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SUMMARY

Construction data analyst with seven years of experience turning safety, compliance, and operational records into dependable reporting for infrastructure and commercial construction programs. Work includes **Power BI** dashboards, SQL queries, data modeling, cleansing, validation, statistical analysis, and governed reporting across inspection, incident, contractor, training, complaint, and corrective action datasets. OSHA 300 logs, **incident reports**, certifications, **inspection checklists**, and field records receive careful review before executive and **quarterly reporting**. Clear visual narratives help safety leaders, project managers, procurement teams, contractors, and nontechnical stakeholders act on risk trends and performance findings. Experience includes contractor scorecards, privacy safeguards, retention practices, data lineage, and concurrent analytical priorities. Brings practical construction context and a steady focus on accurate information that supports safer worksites, accountable contractors, and sound oversight decisions.

EXPERIENCE

Senior Construction Data Analyst

January 2024 - Present

Granite Peak Construction Analytics

Denver, CO

Owns safety analytics for active infrastructure programs, combining field, contractor, incident, training, complaint, and corrective action records into governed reporting for safety leadership and procurement decisions.

- Integrated inspection, incident, training, complaint, and contractor records into governed Power BI reporting.
- Reconciled OSHA 300 entries, findings, **corrective actions**, and certifications with SQL **data models**.
- Built dashboards showing visits, violations, **stop work events**, escalations, investigations, injuries, and closures.
- Applied **regression analysis**, **hypothesis testing**, probability, and trends to focus inspection planning.
- Created validation checks for confidential complaint and incident records, improving traceability and access control.
- Presented visual narratives linking **contractor performance** history with oversight and procurement decisions.

Construction Data Analyst

July 2021 - December 2023

Summit Works Group

Fort Collins, CO

Managed multi site **construction safety** datasets and reporting workflows, giving project, safety, operations, and sourcing teams consistent evidence for compliance reviews and **contractor evaluation**.

- Managed contractor reports, field inspections, near miss records, training files, and investigations.
- Created **Power BI** dashboards and **SQL** queries for compliance, findings, heat illness, and coverage.
- Standardized cleansing rules for contractor submissions and **inspection checklists**, reducing reconciliation work.
- Produced quarterly reports covering inspections, violations, actions, injuries, illnesses, and incident causes.
- Resolved missing or conflicting records with safety personnel and contractors under **recordkeeping** practices.
- Developed contractor scorecards used by operations and sourcing teams during vendor evaluation.

Data Analyst

October 2019 - June 2021

Canyon Ridge Builders

Colorado Springs, CO

Supported construction operations through database reporting, source validation, statistical review, and visual analysis for safety inspections, project records, contractor documentation, and **training requirements**.

- Supported operations with database **reporting** for inspections, project records, contractors, and training.
- Wrote SQL queries against large datasets and maintained models for compliance reporting.
- Validated incidents, OSHA records, inspection forms, and certifications against source documentation.
- Built visualizations showing recurring violations, open actions, injuries, and near miss patterns.
- Used **descriptive statistics** and anomaly review to separate reporting errors from operational trends.
- Balanced recurring deadlines with ad hoc requests while documenting assumptions, definitions, and query logic.

Junior Data Analyst

October 2018 - September 2019

Front Range Infrastructure Partners

Lakewood, CO

Maintained structured construction and safety records for regional project teams, building early capability in data quality, repeatable reporting, stakeholder coordination, and governance.

- Maintained construction and safety records with consistent definitions and accurate status tracking.
- Prepared validated extracts from inspections, incidents, training files, and contractor documentation.
- Created SQL queries and spreadsheet analyses for duplicates, missing fields, aging actions, and exceptions.

- Produced charts and summaries that helped supervisors interpret inspection activity and safety issues.
- Documented sources, field definitions, **retention** practices, and quality checks for audit readiness.
- Coordinated corrections with project coordinators and safety staff across regional construction teams.

PROJECTS

Contractor Safety Performance Reporting 📅 2025

Created a governed reporting concept that connects contractor history, corrective actions, inspections, incidents, and compliance findings for future evaluation decisions.

Quarterly Worksite Safety Reporting 📅 2024

Structured a recurring reporting workflow for inspections, violations, injuries, illnesses, incident causes, corrective actions, and leadership review.

LEADERSHIP & AWARDS

- Recognized by safety leadership for clear reporting that connected contractor performance with oversight decisions.
- Selected by project teams as a trusted resource for resolving conflicting safety records and reporting definitions.
- Earned sustained stakeholder confidence through dependable quarterly reporting and careful handling of confidential complaints.

EDUCATION

Bachelor's Degree in Statistics

2018

Colorado State University GPA: 4.0

Fort Collins, CO

Coursework: Probability, regression analysis, hypothesis testing, database systems

CERTIFICATIONS

- Microsoft Certified: Power BI Data Analyst Associate 📅 2025
- Colorado Class C Driver's License 📅 2025

TECHNICAL SKILLS

- **Business Intelligence:** Power BI, Power Query, interactive dashboards
- **Database Querying:** SQL, T SQL, large dataset queries
- **Data Storage:** NoSQL, relational databases, structured records
- **Data Modeling:** Dimensional models, data lineage, field definitions
- **Data Quality:** Data cleansing, validation checks, exception workflows
- **Statistical Analysis:** Descriptive statistics, regression analysis, probability
- **Statistical Testing:** Hypothesis testing, trend analysis, anomaly review
- **Safety Records:** OSHA 300 logs, incident reports, inspection checklists
- **Construction Safety:** Near misses, stop work events, heat illness prevention
- **Contractor Oversight:** Contractor certifications, scorecards, compliance rates
- **Reporting Systems:** Quarterly reports, executive narratives, ad hoc reporting
- **Data Governance:** Privacy, retention, recordkeeping, access controls

SKILLS

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|-----------------|-------------------------|--------------------------|--------------------------|
| • Power BI | • Data cleansing | • Safety analytics | • Recordkeeping |
| • SQL | • Data validation | • Contractor performance | • Descriptive statistics |
| • NoSQL | • Dashboard development | • Data governance | • Regression analysis |
| • Data modeling | • OSHA 300 logs | • Privacy controls | |

PROFESSIONAL AFFILIATIONS

- Construction safety analytics community participant, sharing practical approaches for data quality and contractor accountability.
- Professional statistics community participant, maintaining interest in probability, regression, data governance, and clear communication.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST