

# Pat Bierkortte

(424) 334-0450 | hello@patbierkortte.com | Remote, USA  
www.patbierkortte.com | www.linkedin.com/in/pbierkortte



## SUMMARY

Innovative Data Engineer and Cloud Solutions Architect with a proven track record of optimizing data systems for tech startups and Fortune 500 companies. Expertise in reducing operational costs and improving system performance through strategic implementation of modern data stack technologies. Passionate about leveraging AI to drive data-driven decision making and business growth.

## AREAS OF EXPERTISE

- Data Engineering & Architecture
- Business Intelligence & Analytics
- Data Modeling & Warehousing
- ETL/ELT Pipeline Development
- AI & Machine Learning
- Cloud Data Platforms
- CI/CD for Data Workflows
- DevOps & Infrastructure
- Performance Optimization

## INDUSTRY EXPERIENCE

- Retail
- E-commerce
- Tech Startups
- Direct Marketing
- Entertainment
- Real Estate
- Advertising
- Hospitality
- Casino

## SKILLS

### **Data Engineering & Analytics**

- DBT | Apache Airflow | Pandas | Jupyter | Spark | Fivetran | RudderStack | Prefect
- Tableau | Looker | PowerBI | Sigma | GoodData | Metabase

### **Databases & Data Warehouses**

- Snowflake Data Platform | PostgreSQL | Microsoft SQL Server | Oracle
- BigQuery | Redshift | Amazon DynamoDB | MongoDB | MySQL

### **Cloud Platforms & DevOps**

- AWS | Azure | GCP | Kubernetes | Terraform | Docker
- Git | CI/CD pipelines | Linux | Microservices | Datadog

### **Architecture & Development**

- Miro | Sparx Systems Enterprise Architect | API Design (REST, GraphQL)
- Python | SQL | JavaScript | Go | Rails | Java | C# | R | HTML | CSS | Bash

### **IT Infrastructure**

- Active Directory | Group Policy | DNS | Exchange | JIRA Insight

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## EXPERIENCE

### **Senior Data Engineer | Cloud Solutions Architect**

Stackless Data Inc., Pleasant Hill, CA Jan 2022 to Present

- Developed and optimization of data pipelines using DBT, Airflow, and Snowflake, improving query performance by 40%, and reducing operational costs by 25%
- Implemented CI/CD pipelines for data workflows, reducing deployment time by 60%, and used Great Expectations to ensure data quality
- Designed and built a consolidated data model for sales and inventory analytics, using Apache Spark, enabling real-time streaming business insights
- Integrated multiple data sources including Shopify, NetSuite, and custom APIs into a unified data warehouse

### **Data Engineer | Senior Systems Engineer | Operations Manager**

American Homes 4 Rent, Las Vegas, NV May 2015 to Nov 2021

- Drove data platform modernization strategy, implementing best practices from semantic modeling to analytics
- Led a team in delivering a pricing website for a \$9+ billion portfolio, unifying home attribute and market condition evaluation, resulting in a 15% increase in occupancy rates
- Developed web crawlers for competitor pricing and inventory data collection
- Designed and implemented testing and release pipelines for code and cloud resource deployment
- Rolled out enterprise-scale landing zone and migrated on-premises servers to cloud infrastructure
- Automated patching for ~200 VMs, improving system security and reducing maintenance time

### **Direct Mail Marketing Manager**

Silver Sevens Hotel & Casino, Las Vegas, NV Jul 2012 to Mar 2015

- Shortened the response time for direct mail and email, from 45 days to 10, by developing a process that automatically segmented new guests, loaded their offers, and reduced human error

## EDUCATION

### **West Liberty University, West Liberty, WV**

- Bachelor of Science, Business Information Systems
- Bachelor of Science, Computer Information Systems

### **Languages**

- English (fluent)
- Bosnian (learning)