

# UJAS JAYESHKUMAR DUBAL

## Data Engineer

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## SUMMARY

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Results-oriented **AWS Data Engineer and Technical Lead** with over **8.5 years of total IT experience**, including **5 years of hands-on expertise in data engineering** and **1.5 years in technical leadership** roles. Adept at designing and implementing **scalable, high-performance data pipelines** using **AWS (Redshift, Glue, Lambda, S3, AppFlow)** and modern ETL frameworks. Skilled in **Python (6.7 years), PySpark (5.7 years), and SQL**, with deep experience in optimizing data workflows, automating ETL processes, and integrating APIs such as **Salesforce UI** for seamless data flow into Redshift. Known for driving measurable impact through automation, data quality improvement, and real-time analytics, resulting in enhanced business decision-making. Passionate about innovation, continuous learning, and leading teams to build cloud-native data platforms that scale efficiently and deliver tangible business value.

## EXPERIENCE

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### Data Engineer @ TCS - Gandhinagar, Gujarat, India

4<sup>th</sup> July, 2022 – Present

- **Tools and Technology:** AWS (Redshift, Glue, Lambda, AppFlow, S3, RDS, Athena, CloudWatch), Python (Pandas, PySpark), SQL, Spark, Git, GitHub Actions, Airflow, Databricks, CloudFormation, Code Pipeline, Jira, Confluence, Visual Studio Code.
- **In First Project:**
  - Automated ETL workflows across **billions of records** using AWS Glue, S3, and Redshift, **cutting manual workload by 30%** and improving processing speed by 25%.
  - Optimized **PySpark transformations and partitioning**, reducing data retrieval latency by 20%.
  - Built and maintained **end-to-end data pipelines** integrating multiple data sources into Redshift for analytics and reporting.
  - Led a **team of 4 engineers**, mentoring them on AWS best practices, ETL development, and pipeline optimization.
- **In Second Project:**
  - **Led a team of 9 members** to design and deploy a real-time analytics platform using AWS Glue, Lambda, S3, and RDS enhancing decision-making capabilities by 30%.
  - **Developed secure REST APIs on AWS** to serve Salesforce HTML reports by fetching live data from Redshift, enabling instant access to business insights.
  - **Analyzed and resolved data inconsistencies** in upstream sources, improving data quality and report accuracy by 35%.
  - Reduced support tickets by 20% by improving data validation, monitoring, and process automation through CloudWatch alerts
  - Implemented **CI/CD pipelines via GitHub Actions**, improving deployment efficiency by 34% and ensuring smoother releases.
  - Applied **Agile methodologies** to streamline sprints and reduce time-to-market by 15%.

### Software Engineer @ Mind Inventory - Ahmedabad, Gujarat, India

4<sup>th</sup> April 2022 - 17<sup>th</sup> June 2022

- **Tools and Technology:** Python 3.8, PostgreSQL, Git, GitHub, Visual Studio Code
- **Enhanced data retrieval performance by 50%** through advanced **PostgreSQL indexing and partitioning strategies**.
- Designed and optimized **Python-based ETL scripts** for efficient data handling and reporting.
- Collaborated with product and analytics teams to deliver data-driven insights, improving overall development efficiency.
- Mentored junior developers on writing optimized queries and managing version control using GitHub.

### Application Engineer @ Tiny ERP Pvt. Ltd. - Gandhinagar, Gujarat, India

12<sup>th</sup> Aug 2019 – 31<sup>st</sup> March 2022

- **Tools and Technology:** Python, PostgreSQL, Django, REST APIs, AES/RSA Encryption
- Developed **secure Bank Payment APIs** implementing **SHA-256 and AES-256 + RSA encryption**, ensuring 100% transaction data security.
- Built and maintained **POS modules** for retail clients, streamlining billing and payment workflows.
- Optimized data processing modules, improving system performance and reducing load time by **25%**.
- Collaborated with stakeholders to design scalable backend architectures supporting ERP operations.
- Mentored junior developers and guided code reviews to ensure high-quality and secure code practices.

### Associate Engineer @ iSquare Technology - Ahmedabad, Gujarat, India

1<sup>st</sup> June 2016 - 15<sup>th</sup> May 2017

### Jr. Software Engineer @ eQuest Solution - Ahmedabad, Gujarat, India

1<sup>st</sup> May 2015 - 31<sup>st</sup> May 2016

## SKILLS

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**Programming & Scripting:** Python (6.7 yrs), PySpark (5.7 yrs), SQL, Bash, Pandas, NumPy

**Cloud & Data Platforms:** AWS (Redshift, Glue, Lambda, AppFlow, S3, RDS, Athena, CloudWatch), Databricks

**Data Engineering & Processing:** ETL / ELT Development, Data Modeling, Data Pipeline Orchestration, API Integration (Salesforce UI), Data Warehousing, Real-time Analytics, Performance Tuning

**Frameworks & Tools:** Apache Spark, AWS Glue Catalog, RESTful APIs, Git, GitHub Actions, CodePipeline, Jira, Confluence, Visual Studio Code

**Databases:** Redshift, PostgreSQL, MySQL, DynamoDB

**DevOps & CI/CD:** Git, GitHub, GitHub Actions, AWS CodePipeline, CloudWatch Monitoring, Deployment Automation

## EDUCATION

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**Master of Science in IT @ GLS University** – Ahmedabad, Gujarat, India

May-2019

**Bachelor of Engineering – Electronics & Communications @ Gujarat Technology University** – Ahmedabad, Gujarat, India

Feb-2015

## OTHER

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**Certifications:** AWS Certified Developer – Associate (DVA – C02), Using Python to Access Web Data from University of Michigan (Coursera), Python Data Structure from University of Michigan (Coursera), Programming for Everybody with Python from University of Michigan (Coursera)

**Continuous Learning:** Azure Databricks & Spark for Data Engineers (PySpark / SQL) – Udemy, Google Cloud Professional Data Engineer Certification – Udemy

**Awards:** TCS internal on the spot solution award (2023), **Certification of Achievement** award (2024)

**Projects:** Mess Food Wastage Management (Government of Delhi) in **Hackathon National Level** (2018), Developed CyberShadez website for GLS

## DECLARATION

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I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Ujas Jayeshkumar Dubal