

Rohit Dogra



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| Educational Qualification | | |
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| Education & Credentials | Rayat Bahra University Bachelor Of Technology Studied a range of subjects including computer science, software engineering, information systems | 2016-2020 |

| Experience Summary | |
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| LTI Mindtree Experience: 6 Month(s) | <p>1.1.1.1 Python Backend Development & API Optimization:</p> <ul style="list-style-type: none"> Developed Flask web apps, optimizing API performance by 25%. Built and maintained RESTful APIs with complex request handling and database integration. <p>1.1.1.2 Backend & Cloud Integration:</p> <ul style="list-style-type: none"> Containerized apps with Docker and automated CI/CD using Jenkins. Designed and managed Snowflake stored procedures for data transformation. <p>1.1.1.3 Testing, Code Quality & CI/CD:</p> <ul style="list-style-type: none"> Boosted test coverage to 83% using pytest, SQLAlchemy ORM, and enforced PEP 8. <p>1.1.1.4 Collaboration & Agile Practices:</p> <ul style="list-style-type: none"> Actively contributed to Agile teams, managing JIRA tasks for development and bug fixes. |
| Mphasis Limited Experience: 3 year | <p>1.1.1.5 Data Engineering & Cloud Solutions:</p> <ul style="list-style-type: none"> Migrated 150 TB from Teradata to GCP BigQuery using Python & ETL tools. Designed scalable data models and automated migration processes. <p>1.1.1.6 Code Reviews, Testing & Performance Tuning:</p> <ul style="list-style-type: none"> Led code reviews, testing, and performance tuning. |

1.1.1.7 Collaboration & Agile Methodologies:

- Worked in **Agile teams**, handling **JIRA tasks** and sprint planning.

Professional Summary

- **Full Stack Development:** Expertise in Python, Flask, Django, and JavaScript frameworks for developing scalable web applications.
- **Backend & API Development:** Designed and optimized RESTful APIs, microservices, and backend systems using Flask and Django.
- **Database Management:** Extensive experience with SQL, Oracle, MySQL, Microsoft SQL Server, Snowflake, and GCP BigQuery.
- **Cloud Technologies:** Hands-on experience, managing cloud-based applications, data storage, and deployment.
- **CI/CD & Automation:** Implemented CI/CD pipelines using **Jenkins, Git, Bitbucket, and Docker** to streamline deployment.
- **Containerization & Orchestration:** Proficient in **Docker & Kubernetes**, ensuring smooth application deployment and scalability.
- **Data Engineering & Migration:** Migrated **150TB+** of data from **Teradata to GCP BigQuery** using ETL tools and Python scripts.
- **Performance Optimization:** Increased API response speed by **25%** and boosted test case coverage from **40% to 83%** using Pytest.
- **Agile & DevOps Practices:** Collaborated with cross-functional teams, actively managing JIRA tickets and participating in Agile ceremonies.
- **Security & Code Quality:** Ensured high-quality, PEP 8-compliant code using **Flake8, Black, and SQLAlchemy ORM**.
- **AI/ML Integration:** Worked on AI/ML-driven data products, optimizing backend services for improved system scalability.
- **Certifications:** **Google Cloud Associate Cloud Engineer & Professional Cloud Architect Certified.**
- **Technical Leadership:** Mentored junior developers, conducted code reviews, and contributed to best practices in software engineering.

| Skills Summary | |
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| Domain | <ul style="list-style-type: none"> • Full Stack Development • Data Engineering • Cloud Computing (GCP & AWS) • Web Application Development • API Development & Optimization • Database Management & Migration • CI/CD & DevOps • Automation & Scripting |
| Programming Languages | Python, SQL |
| Operating System / ERP Version | Windows, Unix, Linux |
| Tools / DB / Packages / Framework / ERP Components | <ul style="list-style-type: none"> • Web Frameworks: Flask, Django, FastAPI • Databases: Oracle, MySQL, Microsoft SQL Server, GCP BigQuery, Snowflake, Teradata • Cloud Platforms: GCP (BigQuery, Cloud Functions, GCS, IAM), AWS (S3, EC2, Lambda, RedShift, Glue, ECS) • DevOps & CI/CD: Docker, Kubernetes, Jenkins, Git, Bitbucket, MBPL • Data Engineering & ETL Tools: PySpark, Informatica, Talend, Hadoop, Hive • Testing & Code Quality: Pytest, Flake8, Black • Project Management Tools: Jira, Remedy BMC |
| Hardware Platforms | <ul style="list-style-type: none"> • Cloud-based & On-Premise Infrastructure • x86-based Servers (Linux & Unix Environments) |

| Work Experience | | | |
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| Project 1 | | LTIMINDTREE | |
| Project Name | Fosfor Product Development | Team Size | 8 |
| Start Date | November 2024 | End Date | April 2025 |
| Project Description | Fosfor is an advanced AI/ML-driven data product suite focused on enhancing data intelligence, analytics, and automation capabilities. The project involved developing backend services, optimizing API performance, improving deployment efficiency, and ensuring seamless cloud-based solutions | | |
| Role & Contribution | <ul style="list-style-type: none"> Designed and implemented unit test cases, increasing test coverage from 40% to 83% for robust and reliable code. Developed and experimented with cutting-edge AI/ML-driven features, enhancing system capabilities. Optimized API performance, reducing response time by 25% through query refactoring and efficiency improvements. Developed and maintained backend services using Flask, FastAPI, and SQL, improving scalability and maintainability. Implemented CI/CD pipelines using Jenkins and MBPL, automating deployments and hotfix management. Managed containerized deployments using Docker and AWS ECR, ensuring smooth production releases. Configured Snowflake stored procedures for seamless data transformations and analytics processing. Integrated Swagger for API documentation, improving developer accessibility and usability. Deployed cloud-based solutions on GCP and AWS, ensuring high availability and security compliance. Actively managed JIRA tasks, handling feature enhancements, bug fixes, and Agile sprint planning. Conducted code reviews and collaborated with cross-functional teams, maintaining coding standards with Flake8 and Black. | | |
| Technology & Tools | <ul style="list-style-type: none"> Backend: Flask, FastAPI, Python, SQL Cloud & DevOps: AWS (ECR, Lambda, S3), GCP (BigQuery, IAM) CI/CD & Deployment: Jenkins, MBPL, Docker, Kubernetes Database & Data Processing: Snowflake, SQL, Stored Procedures Code Quality & Documentation: Swagger, Flake8, Black Project Management: JIRA | | |

| Project 2 Mphasis Limited | | | |
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| Project Name | DBA Work Tracker & Currency Calendar | Team Size | 2 |
| Start Date | December 2022 | End Date | November 2024 |
| Project Description | Developed DBA Work Tracker and Currency Calendar , two robust applications designed to enhance work tracking , database patching automation , and real-time monitoring . These applications streamlined task management , patching execution , and data visualization for improved operational efficiency. | | |
| Role & Contribution | <ul style="list-style-type: none"> Designed and developed DBA Work Tracker, a Python Django-based work tracking application for task management. Built Currency Calendar, integrating backend APIs with AJAX, JavaScript, and Oracle Database, ensuring seamless data flow. Implemented key features such as task association, progress tracking, real-time alerts, and social sharing, improving project visibility. Developed a real-time database patching dashboard, displaying live patching details and automation results. Automated Oracle and SQL database patching, reducing manual effort and improving efficiency. Created a user-friendly UI for scheduling and executing one-click database patching and version tracking. Enhanced data visualization through interactive graphs and charts, helping in trend analysis and decision-making. Configured real-time alerts and notifications for deadline tracking and task completion, improving team collaboration. Integrated Flask APIs and AJAX requests to optimize API performance and response time. Managed JIRA tickets for bug fixes, feature enhancements, and Agile sprint planning. | | |
| Technology & Tools | <ul style="list-style-type: none"> Backend: Django, Flask, Python Frontend: JavaScript, AJAX Database: Oracle, SQL, Stored Procedures Cloud & Deployment: AWS (S3, Lambda), Gunicorn, Nginx Automation & DevOps: Jenkins, Shell Scripting Project Management: JIRA | | |

| Project 2 Mphasis Limited | |
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| Project Name | DaRT-GDT Managed Capacity |
| Start Date | December 2021 |
| End Date | November 2022 |
| Project Description | Led the data migration from Teradata to Google Cloud BigQuery , ensuring data integrity, accuracy, and performance optimization . Designed and implemented scalable ETL processes to streamline data ingestion, transformation, and validation . |
| Role & Contribution | <ul style="list-style-type: none"> • Migrated 150 TB+ of data from Teradata to GCP BigQuery, ensuring minimal downtime and data consistency. • Developed ETL pipelines using Python, SQL, and GCP Dataflow, handling incremental loads and Change Data Capture (CDC). • Designed and implemented optimized data models in BigQuery, improving query performance and cost efficiency. • Automated data profiling, cleansing, and validation processes to enhance data quality. • Developed Python scripts to automate data transformation, scheduling, and monitoring in GCP. • Collaborated with cross-functional teams to define data migration strategies aligned with business requirements. • Provided technical documentation and training to ensure smooth transition and knowledge transfer. • Optimized query performance in BigQuery by implementing partitioning and clustering techniques. • Managed GCP IAM roles and permissions, ensuring secure and controlled access to BigQuery datasets. |
| Technology & Tools | <ul style="list-style-type: none"> • Migrated 150 TB+ of data from Teradata to GCP BigQuery, ensuring minimal downtime and data consistency. • Developed ETL pipelines using Python, SQL, and GCP Dataflow, handling incremental loads and Change Data Capture (CDC). • Designed and implemented optimized data models in BigQuery, improving query performance and cost efficiency. • Automated data profiling, cleansing, and validation processes to enhance data quality. • Developed Python scripts to automate data transformation, scheduling, and monitoring in GCP. • Collaborated with cross-functional teams to define data migration strategies aligned with business requirements. • Provided technical documentation and training to ensure smooth transition and knowledge transfer. • Optimized query performance in BigQuery by implementing partitioning and clustering techniques. • Managed GCP IAM roles and permissions, ensuring secure and controlled access to BigQuery datasets. |

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