



**Rohit Dogra**

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

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| **Experience Summary** | |
| **LTI Mindtree Experience: 6 Month(s)** | ****Python Backend Development & API Optimization:****  * Developed **Flask** web apps, optimizing **API performance** by 25%. * Built and maintained **RESTful APIs** with complex request handling and database integration.  ****Backend & Cloud Integration:****  * Containerized apps with **Docker** and automated **CI/CD** using **Jenkins**. * Designed and managed **Snowflake stored procedures** for data transformation.  ****Testing, Code Quality & CI/CD:****  * Boosted **test coverage** to 83% using **pytest, SQLAlchemy ORM**, and enforced **PEP 8**.  ****Collaboration & Agile Practices:****  * Actively contributed to **Agile teams**, managing **JIRA tasks** for development and bug fixes. |
| **Mphasis Limited Experience: 3 year** | ****Data Engineering & Cloud Solutions:****  * Migrated **150 TB** from **Teradata to GCP BigQuery** using **Python & ETL tools**. * Designed scalable **data models** and automated migration processes.  ****Code Reviews, Testing & Performance Tuning:****  * Led **code reviews, testing, and performance tuning**.  ****Collaboration & Agile Methodologies:****  * Worked in **Agile teams**, handling **JIRA tasks** and sprint planning. |

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| **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** | | | | |
| **Domain** | |  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** | |  **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** | |  Cloud-based & On-Premise Infrastructure   x86-based Servers (Linux & Unix Environments) | | |
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| **Work Experience** | | | | |
| **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** | * 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** |  **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 | | | |
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| **Project 2** Mphasis Limited | | | | | |
| **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** | | * 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** | |  **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 | | | **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** | * **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** | * **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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