**Surya Prakash Senthil Kumar**

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  Professional summary

Results-driven **Data Engineer** with over 2 years of hands-on experience in Oracle SQL, PL/SQL development, and data analysis. Proficient in database performance tuning, ETL workflows, and Agile methodologies. Adept at delivering high-quality, maintainable data solutions that meet business and technical requirements. Enthusiastic collaborator with a proven ability to work in global, multi-disciplinary teams. Holder of a Stamp 1G visa, eligible to work in Ireland.

  Work history

Data Engineer, 10/2023 – 12/2024

**Ecco Rolt LTD** – Ireland

* Designed and developed complex **Oracle SQL** scripts for efficient data extraction, transformation, and loading (ETL).
* Conducted performance tuning for SQL queries and stored procedures, achieving a 20% improvement in execution times.
* Supported Agile development cycles by contributing to sprint planning, development, and reviews.
* Provided L3 support, resolving high-priority data-related incidents and maintaining 99.9% system uptime.
* Collaborated with global teams to enhance the reliability and scalability of the Strategic Advisors data platform.

**Data Engineer Intern** 01/2021 – 08/2022

**Cognizant Technology Solution** – Chennai

* Utilized **SQL** for data analysis and troubleshooting, generating operational insights and optimizing system processes.
* Developed and managed ETL workflows for large-scale inventory and sales data using **Informatica**.
* Conducted system performance monitoring and implemented enhancements to improve database efficiency.
* Automated tasks using Unix shell scripting and implemented job scheduling with **AutoSys**, reducing manual intervention by 30%.

IT Analyst 10/2022 – 09/2023

CWS Cleanrooms – Galway

* Developing analytical dashboards tailored to meet the specific needs of various clients, enabling data-driven analysis and problem solving.
* Providing visual representations and insights based on reviewed data, facilitating better understanding and decision-making.
* Actively participating in identifying and implementing improvements in business processes to enhance productivity and effectiveness.
* Performing data cleansing and updating tasks using Excel, ensuring data accuracy and completeness.

  Skills

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|   **Databases:** Oracle SQL, Snowflake* **ETL Tools**: Azure Data Factory, Informatica, Oracle Data Integrator
* **Cloud Platforms**: AWS (EC2, S3, RDS)
* **Programming**: Python, Shell Scripting
* **Data Modelling**: Relational Database Design, Logical Data Modelling
* **DevOps**: CI/CD, Source Control Systems (Git, Bitbucket)
* **Additional Tools**: Oracle APEX, AutoSys, Tableau
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  Education

Master of Science : Business Analytics, 2.1 Honors

University Of Galway - Galway, County Galway

**Major Project:**

* Built an Oracle-based data warehouse to model energy consumption and policy impacts in Ireland.
* Designed data pipelines and optimized ETL processes, reducing report generation time by 40%.

B. E : Computer Science, 06/2019

SRM UNIVERSITY- Chennai

CGPA: 9.0

  Additional Information

* **Linux** **Shell Scripting** - Certificate of Completion (LinkedIn Learning)
* **Oracle Certified SQL Developer** – Oct 2024
* **Certified Network Administrator (CCNA)** – Feb 2020
* **Python for Data Science Certification** – Oct 2019