Vijayaraj Pushpalingam

Software Engineer

🏠 homepage.com ⊙ Vii-Mii in Vijayaraj ✉ vjlingam7@gmail.com 📞 +917397489221

EXPERIENCE

HCLTECH │ Application Archival Service Specialist
Aug 2022 – Present | Chennai, India

- → Optimized data archival workflows for 30+ legacy, GxP, and non-GxP applications, resulting in a **40%** reduction in retrieval times and enhancing regulatory compliance.
- → Designed and implemented an automated archival process on the Serrala CDN portal, reducing manual data handling by **60%** and achieving a **20%** reduction in storage costs.
- → Led a cross-functional team through end-to-end implementation of project enhancements, resulting in a **25%** improvement in user access efficiency.
- → Established secure data access protocols to ensure GxP compliance, cutting audit preparation time by **30%**.

HCLTECH │ Technical Analyst
Oct 2021 – Aug 2022 | Chennai, India

- → Developed automated SQL error-monitoring scripts that proactively detected and resolved database issues, increasing data integrity to **99.9%** and cutting manual error-handling time by **50%**.
- → Automated data extraction and reporting with Python, reducing report delivery time by **50%** and improving stakeholder decision-making speed.
- → Collaborated with IT security to enhance database access controls, minimizing unauthorized access risks and improving data security.

PROJECTS

DATASYNCX | DHR PROCESSING AND ARCHIVAL MONITOR │ PYTHON, MONGODB, STREAMLIT, PLOTLY, RESTFUL APIS, AWS
2024

- → Built an automated system to process and archive 10,000+ DHRs monthly, improving efficiency and data accuracy.
- → Reduced data inconsistencies by **85%** through real-time validation and error detection.
- → Developed dashboards to track archival status and system performance, boosting monitoring efficiency.
- → Enabled rapid response to critical events with automated alerts, cutting incident response time by **70%**.

IDMS | LARGE-SCALE DATA ORGANIZATION │ PYTHON, MONGODB, MYSQL, AWS, SERRALA CDN
2024

- → Engineered and organized a scalable data architecture for over **3 million records** in Serrala CDN, ensuring streamlined data access and retrieval.
- → Designed an optimized table structure that enhanced data accessibility, reducing query times by **40%** and improving usability across teams.
- → Implemented cross-format data compatibility using XML and JSON, enabling seamless data exchange and integration with legacy systems.

SKILLS

PROGRAMMING

Python • SQL • JavaScript
Java • HTML • CSS

LIBRARIES/FRAMEWORKS

Django • Flask • React
Tailwind

TOOLS/PLATFORMS

Git • MongoDB • PostgreSQL
MySQL • AWS • Docker

EDUCATION

VELTECH MULTITECH
B.E IN ELECTRONICS AND COMMUNICATION ENGINEERING
Aug 2021 | Chennai, India
Cum. GPA: 8.2 / 10

COURSEWORK

- • Data Structures and Algorithms
- • Database Management Systems
- • Object Oriented Programming
- • Operating Systems
- • Computer Networks

AWARDS

Exceptional Performer Award – Recognized for outstanding project deliverables and impactful contributions that significantly improved project outcomes.

Best Project Execution Award – Honored for successfully executing a high-impact project ahead of schedule, enhancing system efficiency by 40%.