Santosh Chapagain

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WORKDAY DATA CONVERSION ENGINEER

Enterprise Data Engineer specializing in Workday data conversion, ETL architecture, and Lakehouse-based integration frameworks. 6+ years delivering secure, auditable, production-grade pipelines in higher education and public-sector environments. Operates at senior scope with full lifecycle ownership of complex data migration and integration initiatives.

EXPERIENCE

University of Maryland – Division of IT   *Software Engineer, Data Conversion | Feb 2025 – Present*

Lead engineer supporting enterprise Workday conversions and integrations.
- Architected and deployed reusable pipelines for Workday conversion and integration using Notebooks, Data Pipelines, Dataflow Gen2 and Lakehouse in Microsoft Fabric.
- Designed complex transformation logic (Python, SQL, PySpark) converting legacy SIS data into Workday-compatible objects.
- Built and managed Workday Integrations (EIBs, RaaS, API-based data exchange, Core Connectors).
- Owned end-to-end lifecycle of migration objects: mapping, transformation, validation and deployment.
- Partnered with functional leads and governance teams to ensure FERPA/PII compliance.
- Optimized Lakehouse architecture for performance, scalability, and reporting efficiency.
- Mentored peers on data pipelines built using MS-Fabric.

CentralSquare Technologies   *Senior Data Conversion Engineer | May 2019 – Feb 2025*

Technical Lead for large-scale public-sector data migration initiatives.
- Designed enterprise ETL pipelines integrating relational databases, APIs, flat files, and legacy systems.
- Led multi-environment data conversions across development, testing and production servers.
- Developed automated reconciliation and validation controls reducing post-migration defects.
- Acted as escalation point for complex data integrity issues.
- Mentored junior engineers and standardized reusable ETL components.

TECHNICAL SKILLS

Workday (EIB, RaaS, APIs, Core Connectors)	Oracle | SQL Server | PostgreSQL
Microsoft Fabric (Lakehouse, Pipelines, Notebooks)	Data Warehousing | Dimensional Modeling
Azure | AWS | Python | PySpark | Advanced SQL	Power BI | Denodo | Git | Jira | HTML5 | CSS

EDUCATION

University of Maryland Global Campus	Adelphi, MD
Master of Business Administration (MBA)	May 2025 – Present
South Dakota State University	Brookings, SD
M.S. in Electrical Engineering and Data Science	Aug 2016 – Aug 2019
Pulchowk Campus, Institute of Engineering	Lalitpur, Nepal
B.E. in Electronics & Communication Engineering	Oct 2008 – Dec 2012

PROJECT / CERTIFICATION

- Developed a portfolio website www.santosh.info using HTML5 and CSS, hosted on Github Pages.
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate, Valid from Aug 2025 – Aug 2027