Sadurshan Punithasegaram

Data & Software Engineer

sadurshan.sps@gmail.com +971543408594 Dubai, United Arab Emirates

linkedin.com/in/sadurshansp github.com/SadurshanOff sadurshan.dev

PROFILE SUMMARY

Data & Software Engineer with 5+ years building backend Python and SQL systems, database architectures, and API integrations across regulated insurance and technology environments in the UAE and Sri Lanka. Experienced in cloud deployment (Azure, AWS), CI/CD pipelines, and data governance, with hands-on personal-project experience extending into modern data engineering tooling (Databricks, Airflow, dbt, Snowflake). Focused on turning messy, real-world data into reliable, auditable systems.

CORE SKILLS

- **Languages & Databases:** C#, .NET, Java, React.js, Next.js, Spring Boot, TypeScript, Swift, Kotlin, Flutter, Dart, Python, SQL, MSSQL, PostgreSQL, MySQL, MongoDB, Snowflake
- **Cloud & DevOps:** Azure, Azure DevOps, AWS, Docker, CI/CD, Git
- **Integration & Governance:** API integration, data governance, workflow automation, UiPath
- **Analytics & Collaboration:** Power BI, Tableau, JIRA, Confluence
- **Self-directed (personal projects):** Databricks, Delta Lake, Apache Airflow, dbt Concepts

PROFESSIONAL EXPERIENCE

Senior Support Engineer – Business Applications (Promoted from Application Developer: 2023–2025) February 2023 – present | Dubai, UAE

Howden Insurance Brokers

- Built and maintained backend Python and SQL scripts that kept data flowing reliably across UAE, Oman, and Bahrain operations, closing gaps causing data integrity issues.
- Consolidated scattered platform architectures into a single governed source of truth for insurance policy, client, and compliance data.
- Integrated third-party and legacy systems via APIs, standardizing data structures across the stack.
- Deployed backend changes to Azure with version control, automated testing, and CI/CD pipelines.
- Partnered with finance and compliance teams to turn operational workflows into clean, queryable database schemas.

Technical Business Analyst & Project manager April 2022 – November 2022 | Colombo, Sri Lanka

Arimac Lanka

- Built data-driven analytical models and backend workflows that improved revenue-focused data pipeline performance by 7.9%.
- Worked with cross-functional engineering and data teams to translate business requirements into structured data models and architectures.
- Defined data validation metrics and integration workflows to ensure clean, high-fidelity data ingestion.

Software Developer, Logicare January 2021 – April 2022 | Sri Lanka

- Developed backend applications and automated middleware integrations, improving data reliability and pipeline performance across logistics platforms.
- Wrote Python/SQL scripts that replaced manual data operations with automated pipelines, delivering $1.8M in quantified business impact.

- Implemented code review, testing, and Git-based version control practices across the development lifecycle.

Trainee Software Support Engineer, IntaHub Private Limited June 2020 – February 2021 | Sri Lanka
- Gathered and documented system requirements (SRS) for multi-client implementations.
- Built QA automation scripts and monitoring tools to improve system stability.
- Flagged production risks early and contributed to resolution planning.

PERSONAL PROJECT

Scalable Data Lakehouse 2025
- Built a data lakehouse using Delta Lake and Databricks for ETL, with Snowflake for analytics and Airflow orchestration on AWS/GCP, to explore real-time insight generation from structured and semi-structured data.

Data Engineering for Machine Learning 2024
- Built a data pipeline covering transformation, feature extraction, and versioning in a feature store, to explore training anddeployment patterns for insurance risk and underwriting models.

EDUCATION

Bsc In Business Information Systems, University of Wolverhampton United Kingdom
Thesis : AI-Powered Warehouse Optimization System: Enhancing Efficiency and Reducing Operational Costs

Higher Diploma in Computing and Software Engineering Sri Lanka
ICBT Campus (Cardiff Metropolitan University)

Diploma in Information Technology, Esoft Metro Campus Sri Lanka

CERTIFICATES

Cisco Certified Network Support & Security | Cisco Certified Ethical Hacker |
Certification In Critical Infrastructure Protection | FinOps Certified Engineer |
Certification in Data Science & Machine Learning

LANGUAGES

English | Tamil | Malayalam | Sinhala