

FRANKIE SEABROOK

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PROFESSIONAL SUMMARY

Senior BI Consultant with 4+ years building production data systems and AI-powered analytics tools. Specialised in modern data platforms (Databricks, Spark), semantic layers, and LLM integration for enterprise BI workflows.

TECHNICAL SKILLS

Data & Analytics Engineering: SQL, Azure Databricks (Spark SQL, PySpark), Medallion Architecture, ETL/ELT, dbt-style modelling, Semantic layers, YAML metric definitions, Power BI, DAX, Teradata, SQL Server

AI & ML Tooling: Databricks Genie, GitHub Copilot, Prompt engineering, LLM evaluation, Copilot Studio, Python (Pandas, Matplotlib)

DevOps & Engineering Practices: Git, CI/CD pipelines, Agile/Scrum, JIRA, Confluence, Azure DevOps

PROFESSIONAL EXPERIENCE

Nationwide Building Society | Senior BI Consultant *2023 – Present*

- Designed YAML-based semantic layers (metric views) enabling natural language querying via Databricks Genie for non-technical stakeholders
- Led 3-month AI adoption pilot: evaluated LLM-generated SQL against baseline queries using A/B testing to validate accuracy and performance
- Integrated GitHub Copilot into BI development workflows, standardising SQL/Python patterns across the team
- Manage 2 direct reports; created and delivered technical training curriculum for 100 analysts covering Databricks and advanced Power BI modelling

Solent NHS Trust | BI Engineer *2023*

- Key contributor to cloud migration from on-premises SQL Server to Azure Databricks, implementing Medallion Architecture (Bronze/Silver/Gold layers)
- Established Git-based version control and CI/CD pipelines to automate deployments across Dev, Test, and Production environments
- Delivered self-service data model and Power BI suite supporting 2,000+ clinical and operational staff

Solent NHS Trust | Business Intelligence Developer *2022 – 2023*

- Refactored migration scripts using parameterised logic, reducing a 6-week sprint to 2 weeks
- Developed custom Python visualisation library for Power BI, standardising advanced statistical plotting for developers

Solent NHS Trust | Quality Systems & Intelligence Officer *2021 – 2022*

- Collaborated on external feature development for the Ulysses system to automate CSV-based incident data ingestion
- Managed end-to-end reporting for major incidents and risk management across the Trust

EDUCATION

BA (Hons) Popular Music Production

Southampton Solent University, 2015

PROJECTS & CONTRIBUTIONS

- Open-source contributor to **sst/opencode** (AI-assisted development workflows)
- Built trading bots and market analysis tools using Binance API and technical indicators