

Abdul Wajid – Data Analyst

Capstone Project: Technology Trend Analysis Dashboard

Tools Used: IBM Cognos Analytics, Excel, Pivot Tables, Data Visualization Tools

Objective: To assess current usage patterns and future preferences in programming languages, databases, platforms, and web frameworks based on global developer survey data.

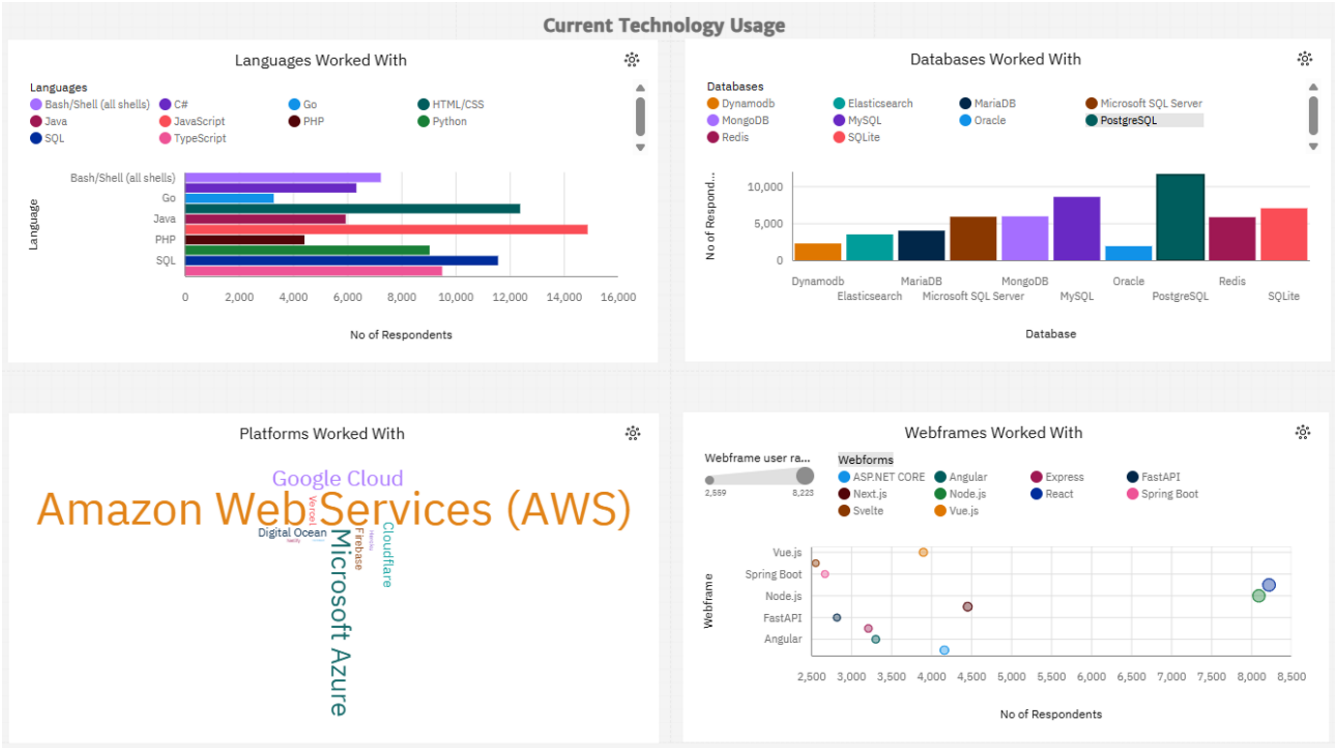
Key Contributions:

- Cleaned, transformed, and reshaped multi-response survey data using Excel and pivot tables
- Built interactive dashboards in IBM Cognos visualizing trends in five technology domains
- Synthesized findings into a professional, executive-style report with actionable recommendations

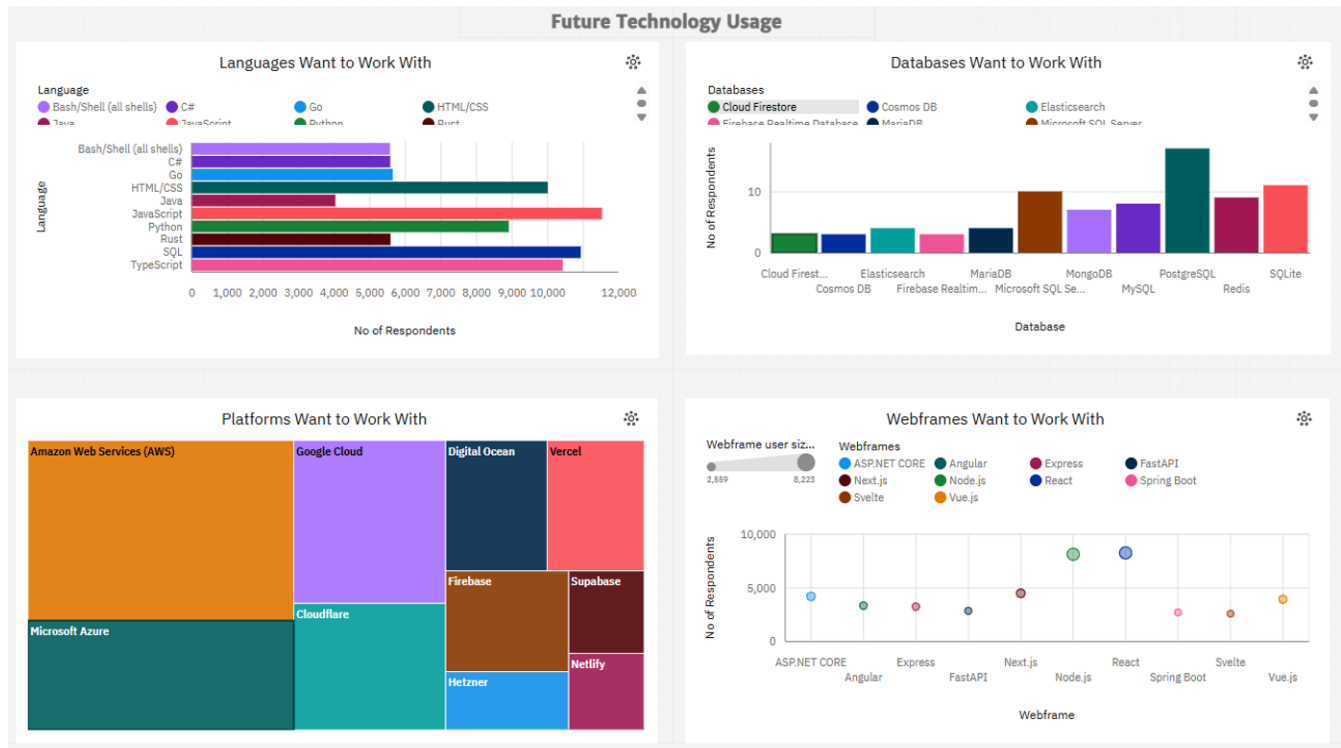
Key Findings:

- JavaScript and Python dominate current language use
- PostgreSQL is the leading database for current and future use
- AWS is dominant, with future growth in Google Cloud and Vercel
- React, Node.js, and Next.js growing; FastAPI and Svelte emerging

Dashboard – Current Technology Usage



Dashboard – Future Technology Usage



Dashboard – Respondent Demographics

