

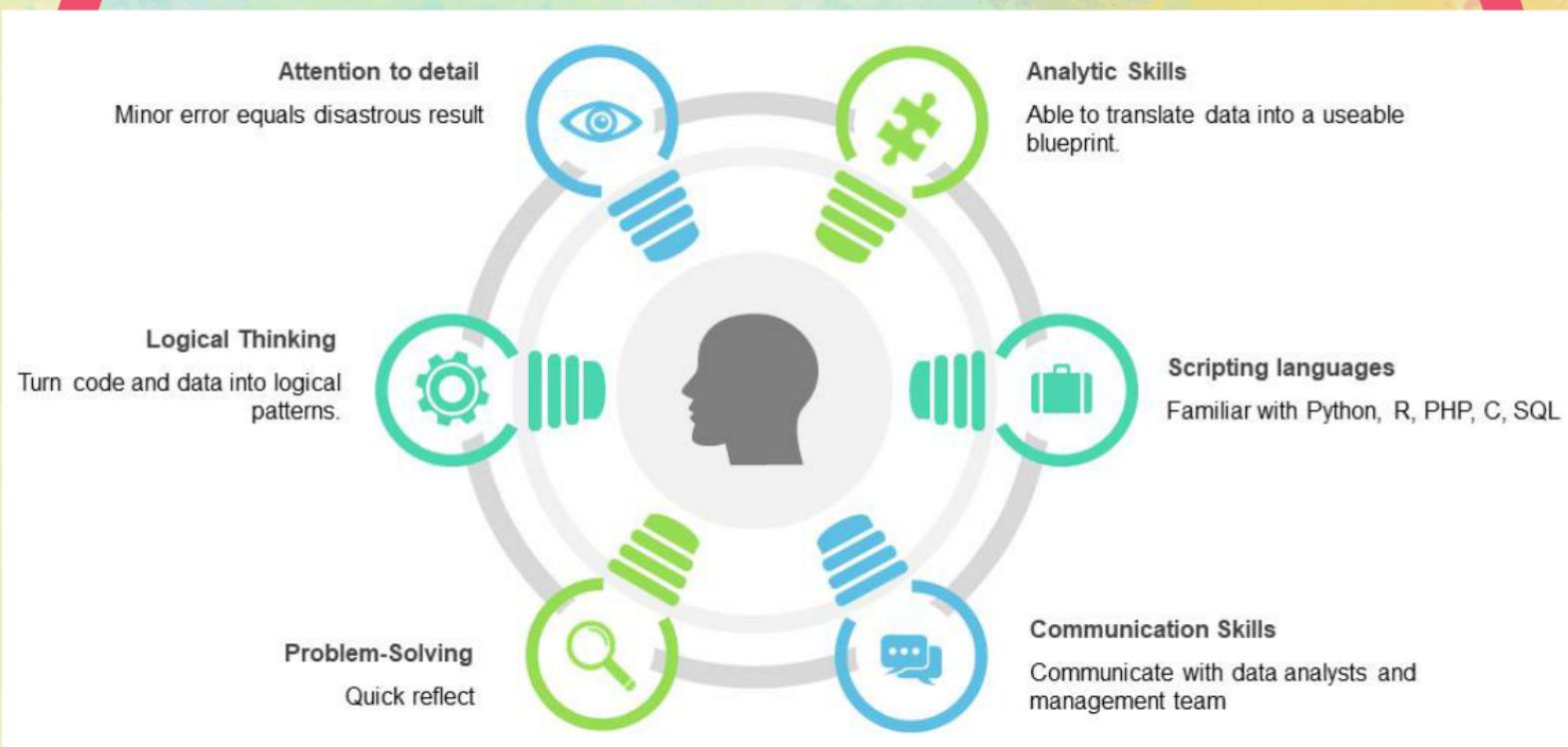
JOB DESCRIPTION

A Quick Overview

- Build, test and maintain Database on structural requirements
- Coordinate with database administrators and analysts to guarantee easy access to company data
- Considered to be one of the four domains of enterprise architecture.



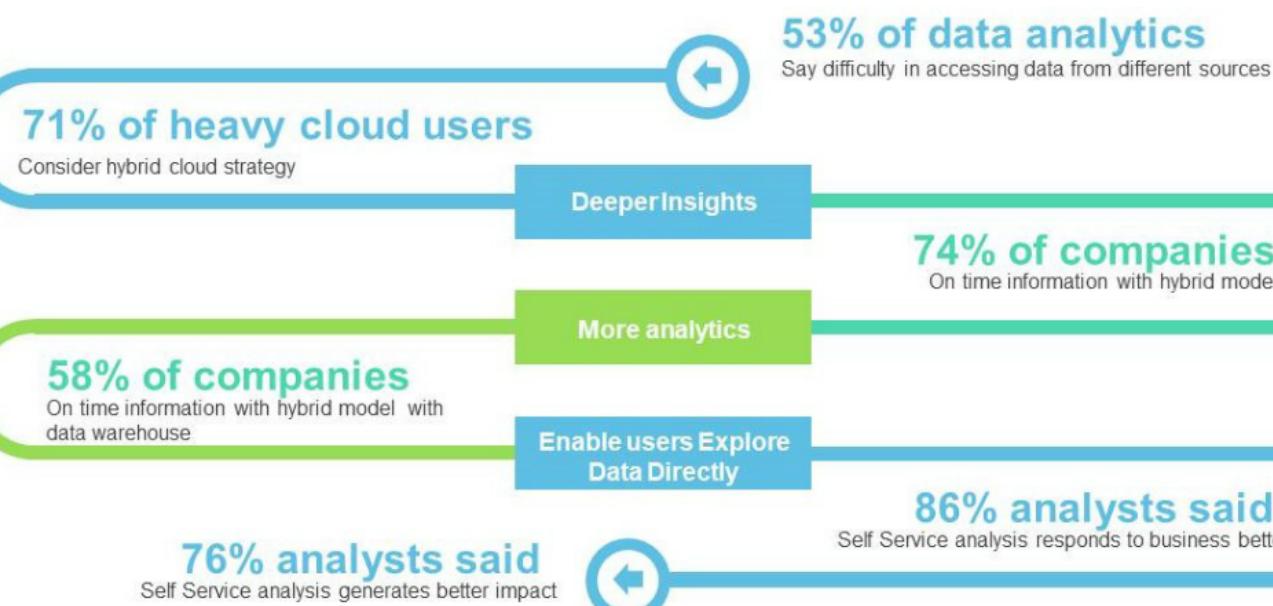
SKILLS AND REQUIREMENTS



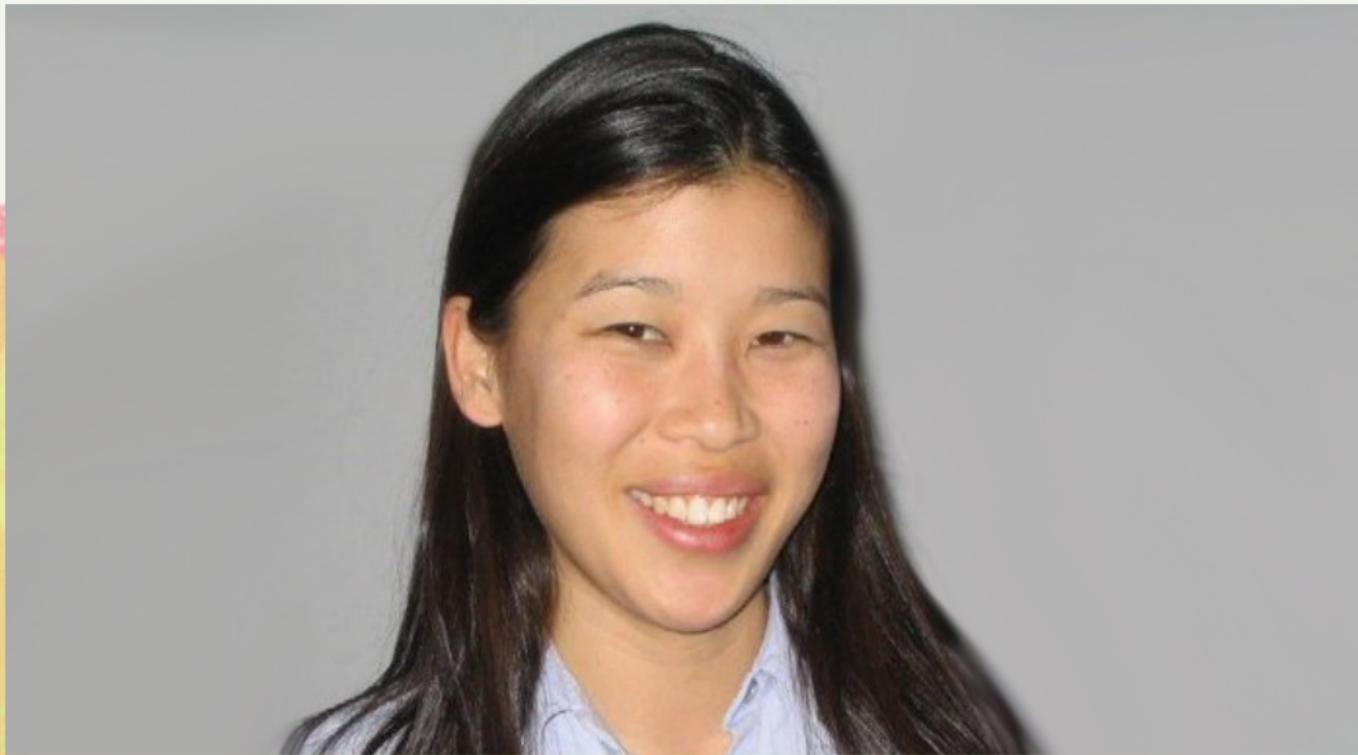
Most software today is very much like an Egyptian pyramid with millions of bricks piled on top of each other, with no structural integrity, but just done by brute force and thousands of slaves. ~ ~

Alan Kay - American computer scientist/ President of the Viewpoints Research Institute

A DAY OF DATA ARCHITECT



AVERY WONG HAGLEITNER



Software Architect, IBM.

Specialized in working on Cognos Dynamic Cubes at the
IBM Silicon Valley Laboratory

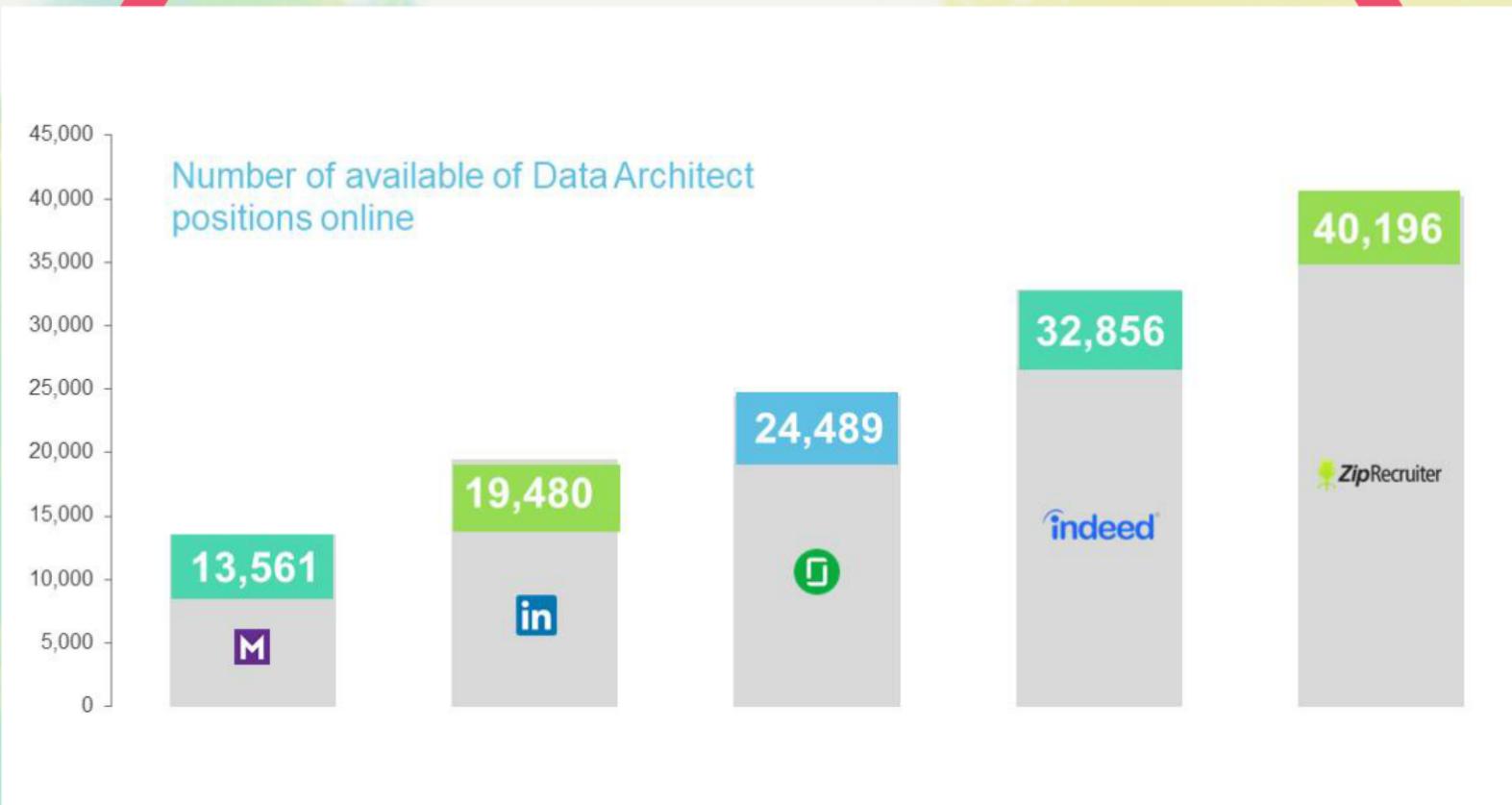
SAMI ZUHURUDDIN



**Cloud Architect and
Consultant, Google**

Improving Cloud system
and doing Cloud forensics
to fight off against
information theft

JOB DEMANDS



MARKET FORECAST

What's next?

Worldwide revenues for big data and business analytic (BDA) solutions are estimated to achieve **\$189.1 billion** in 2019, an increase of 12.0% from last year.

Forecast for 2018-2022's annual growth rate (CAGR) of **13.2%**

SALARY AND BENEFIT



How Experience Affects Salaries

**Late Careener
Experienced
Mid range
Early Careener
Entry**

▲10%
▲5%
▼10%
▼24%
▼39%

Data Architect

▲40%
▲25%
▲12%
▼2%
▼11%

Data Scientists

▲20%
▲15%
▲12%
▼1%
▼10%

Data Analyst



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▲10%
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▼10%
▼24%
▼39%

▲40%
▲25%
▲12%
▼2%
▼11%

▲20%
▲15%
▲12%
▼1%
▼10%

Data Architect

Data Scientists

Data Analyst



**Thank you for
your attention.**



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