

Careers in Database Technologies

Introduction:

Why are you taking this course?

What are your hopes and expectations in learning about databases and database software?

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“Working hard for something we don’t care about is called ***stress***. Working hard for something we love is called ***passion***.”

– ***Simon Sinek***

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“Great companies don’t hire skilled people and motivate them, they hire already motivated people and *inspire* them.”

– *Simon Sinek*

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“People don't buy what you do; they buy *why* you do it. And what you do simply proves what you believe.”

– *Simon Sinek*

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“He who has a *why* to live for can bear almost any how.”

- *Friedrich Nietzsche*

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Think about your "**why**".

Your *passion* drives the reasons why you do what you do.

What is your vision of who you want to be?

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Information Technology (IT)

Organizations use computing technologies to achieve their objectives

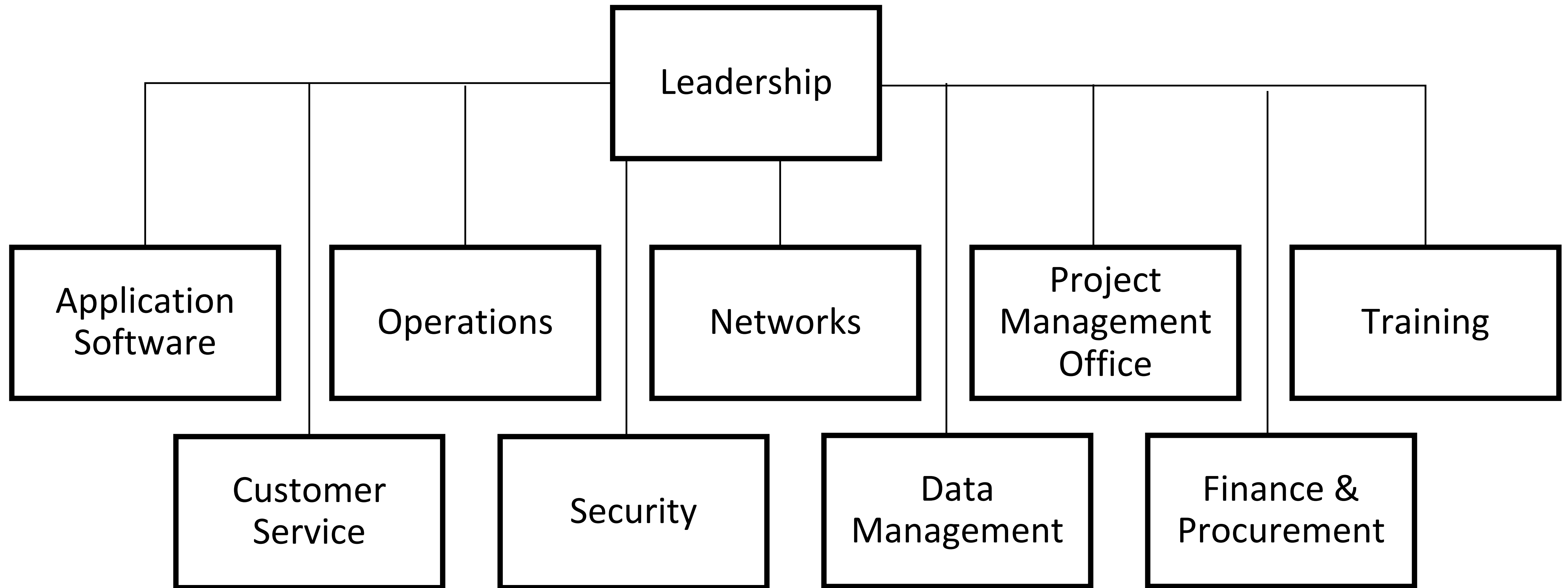
Organizations typically create a structure for their IT folks

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Leadership

CIO – Chief Information Officer
CTO – Chief Technology Officer

Careers in Database Technologies



Careers in Database Technologies

Leadership

Application
Software

Operations

Networks

Project
Management
Office

Training

CISO – Chief Information Security Officer

Customer
Service

Security

Data
Management

Finance &
Procurement

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Software

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CISO – Chief Data Officer

Customer
Service

Security

Data
Management

Finance &
Procurement

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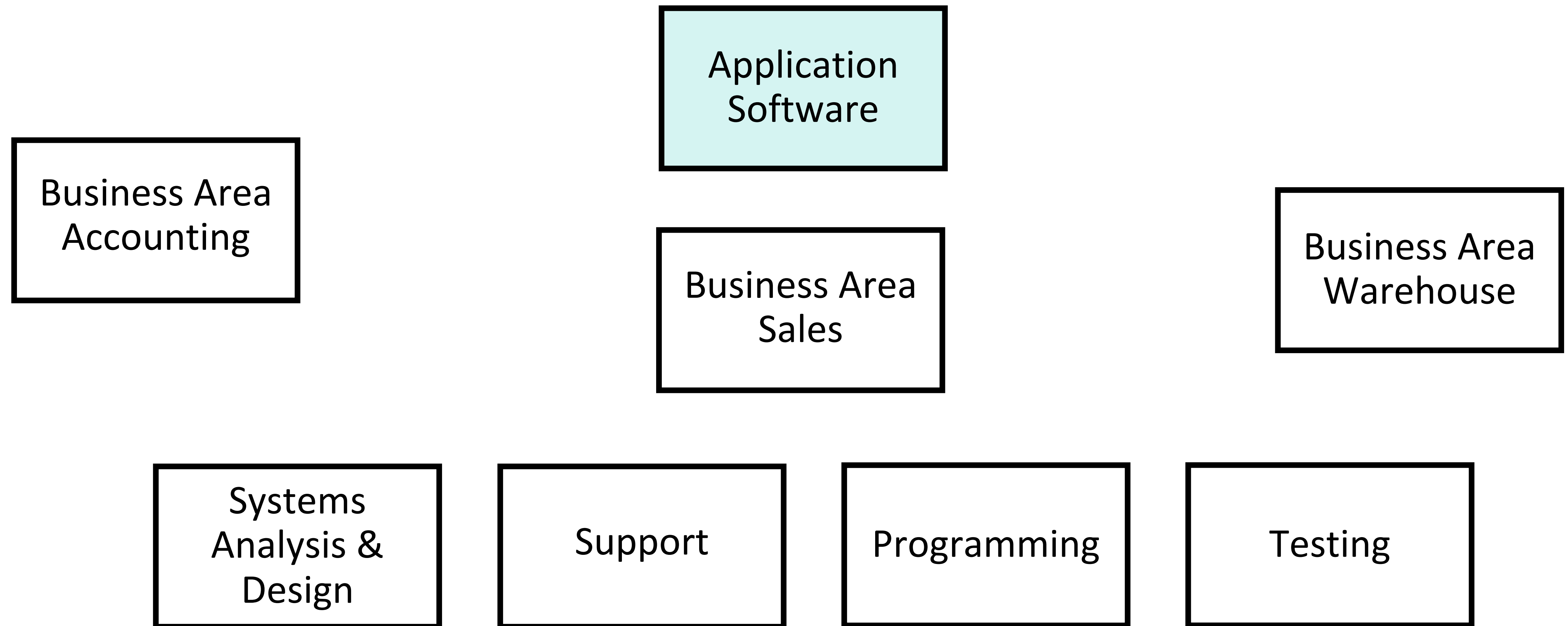
Customer
Service

Security

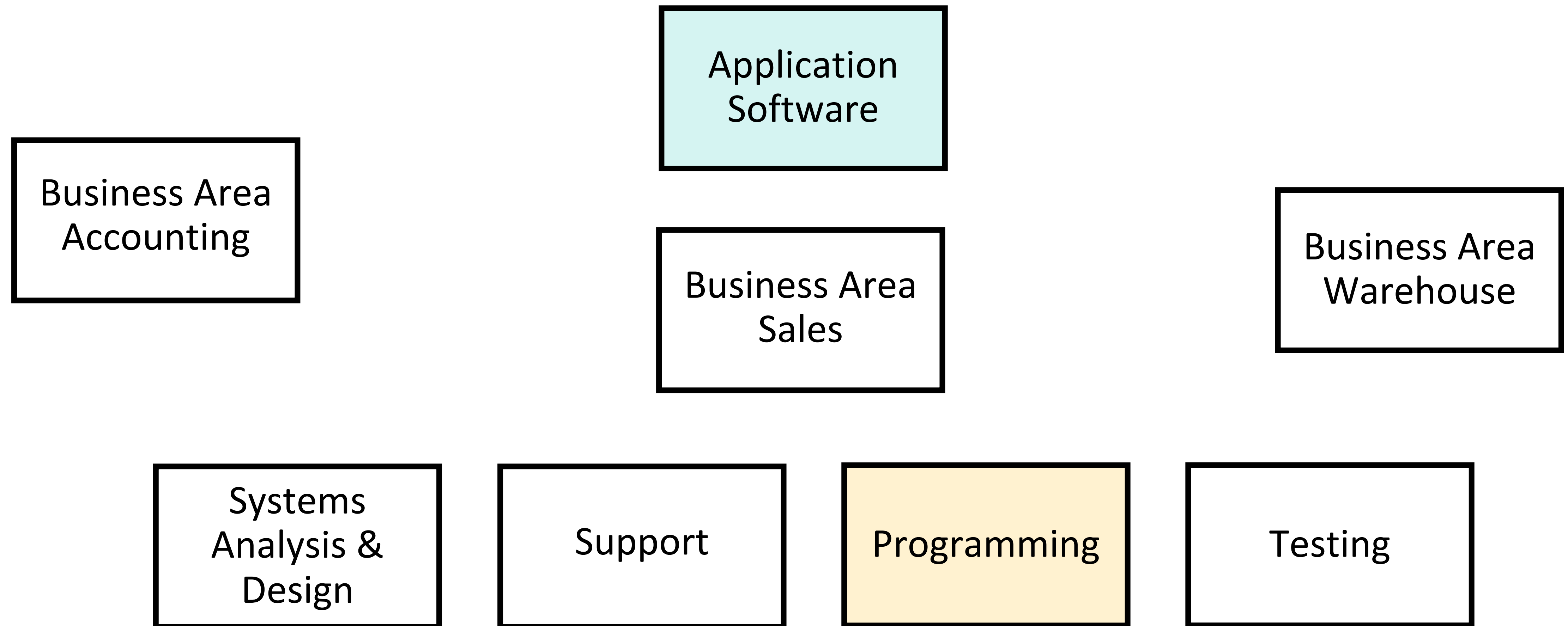
Data
Management

Finance &
Procurement

Careers in Database Technologies



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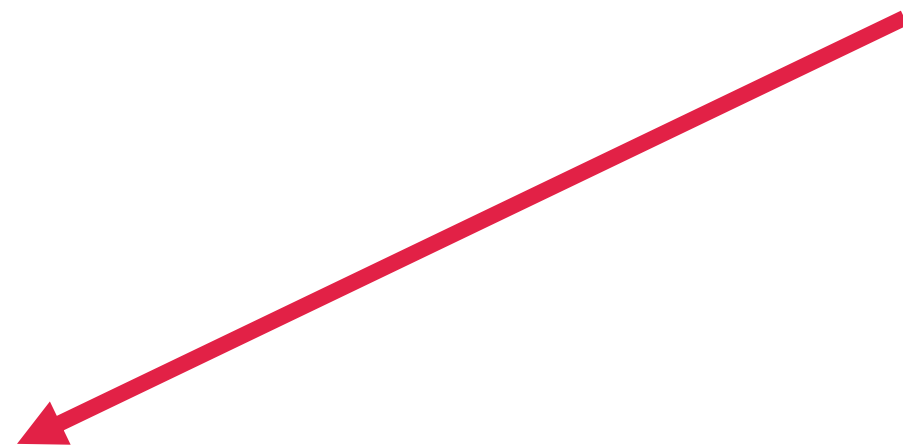
Careers in Database Technologies

Application
Software

Programming

SQL
Developer

Database Career Path



Careers in Database Technologies

Application
Software

Programming

SQL
Developer

- Member of an application development team
- Works with programmers and analysts
- Codes and tests the database components of the application

Careers in Database Technologies

Leadership

Application
Software

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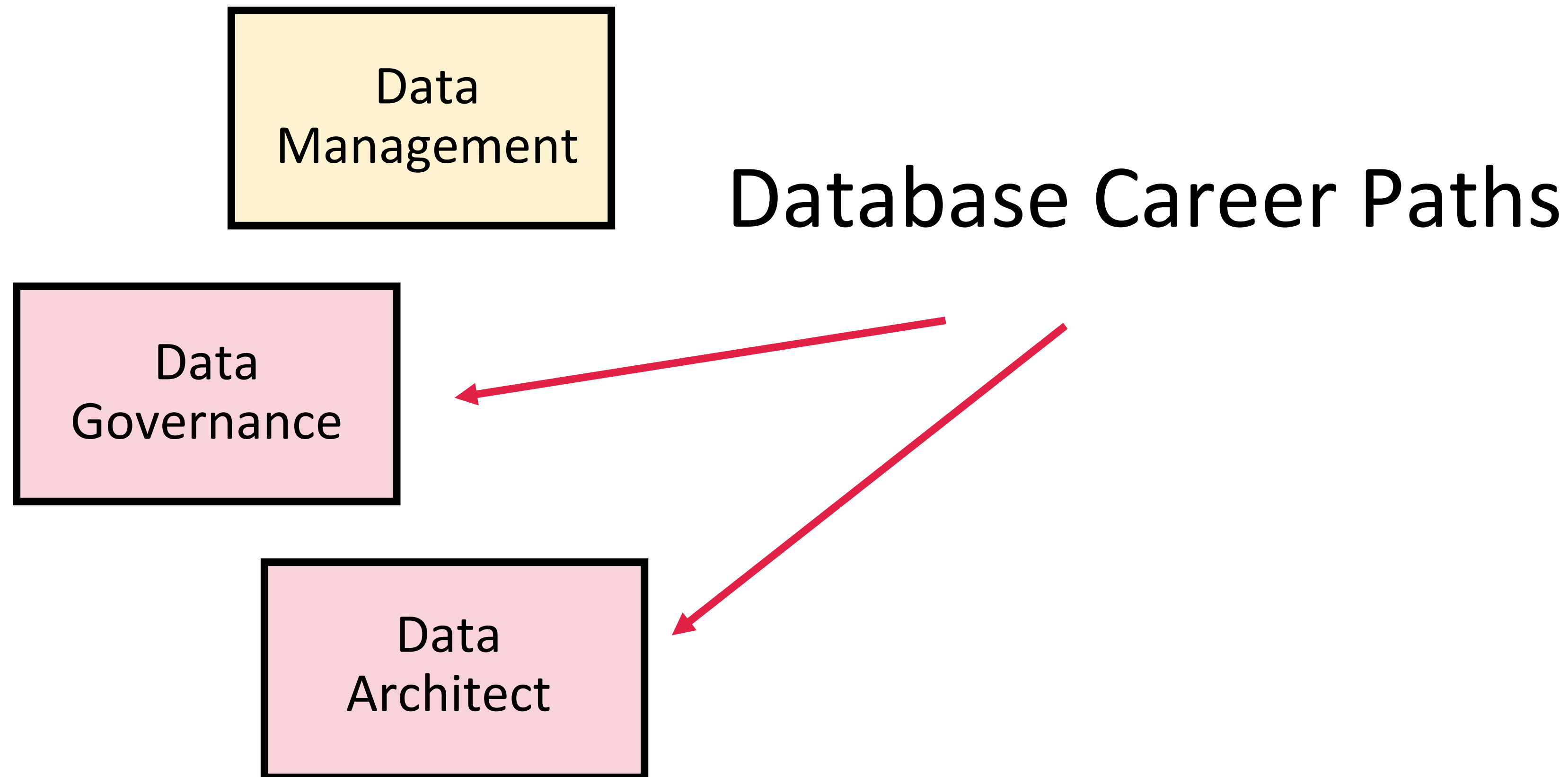
Customer
Service

Security

Data
Management

Finance &
Procurement

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Careers in Database Technologies

Data
Management

Data
Governance

Data
Architect

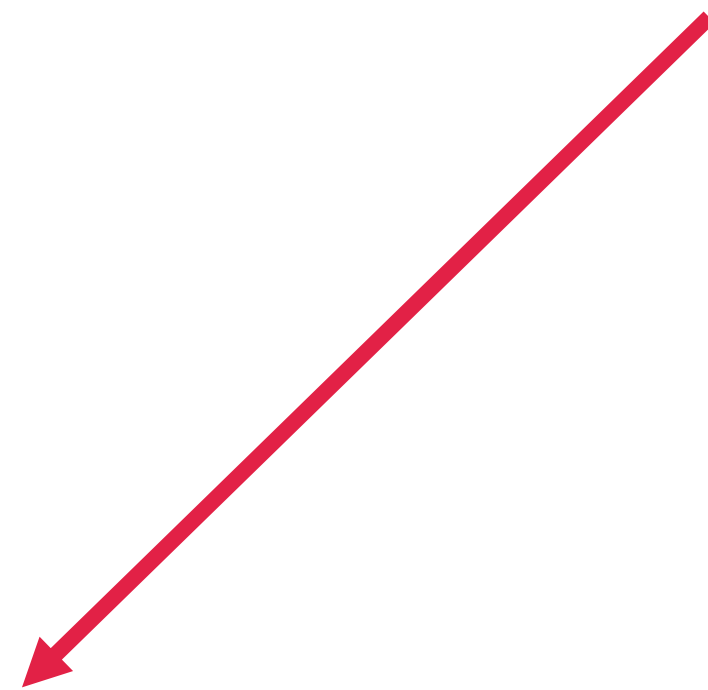
- Design Databases
- Create Data Models
- Sets and enforces data definitions and standards
- Maintains Data Repository (where data models are kept)

Careers in Database Technologies

Data
Management

Database Career Paths

Business
Intelligence



Careers in Database Technologies

Data
Management

- Conduct Data Science & Analytics
- Data Mining
- Data Reporting: Dashboards & Visualization
- Trend Analysis & Forecasting

Business
Intelligence

Careers in Database Technologies

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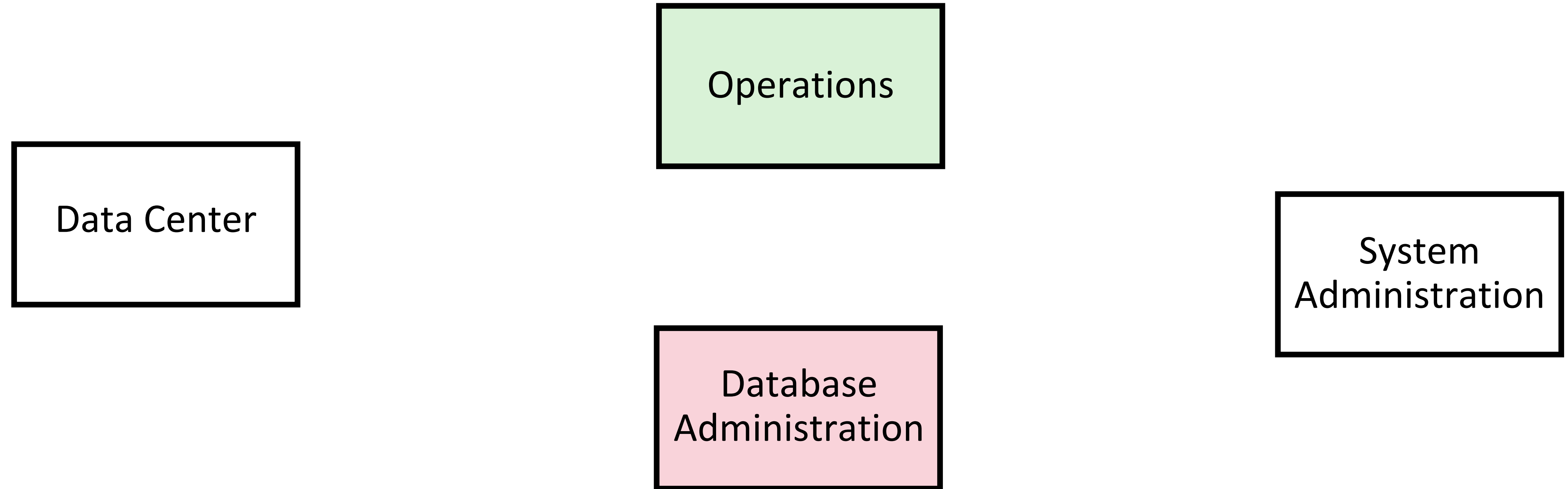
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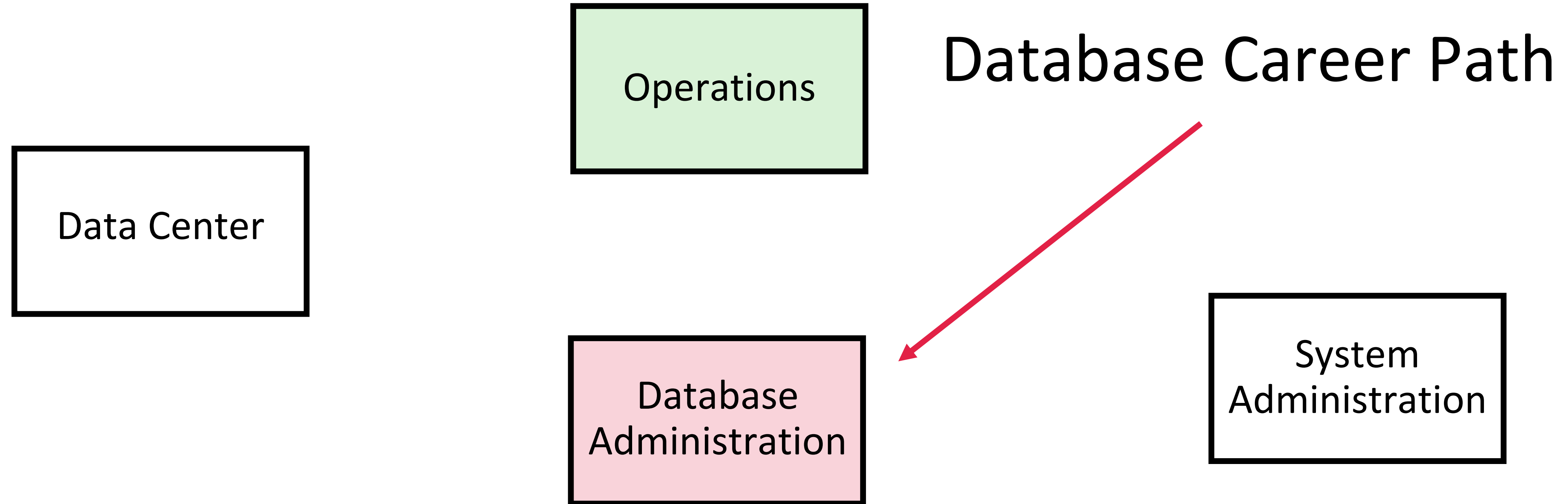
Data
Management

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Careers in Database Technologies

Operations

- Work with Application Development Teams
- Work with Data Architects
- Maintain DBMS Software
- Manage Database Backup & Recovery
- Ensure Proper DBMS Software Licensing

Database
Administration

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Summary

You can pursue a career in database technologies

Job Titles / Roles:

- SQL Developer
- Data Architect
- Data Scientist / Data Analyst
- Database Administrator