

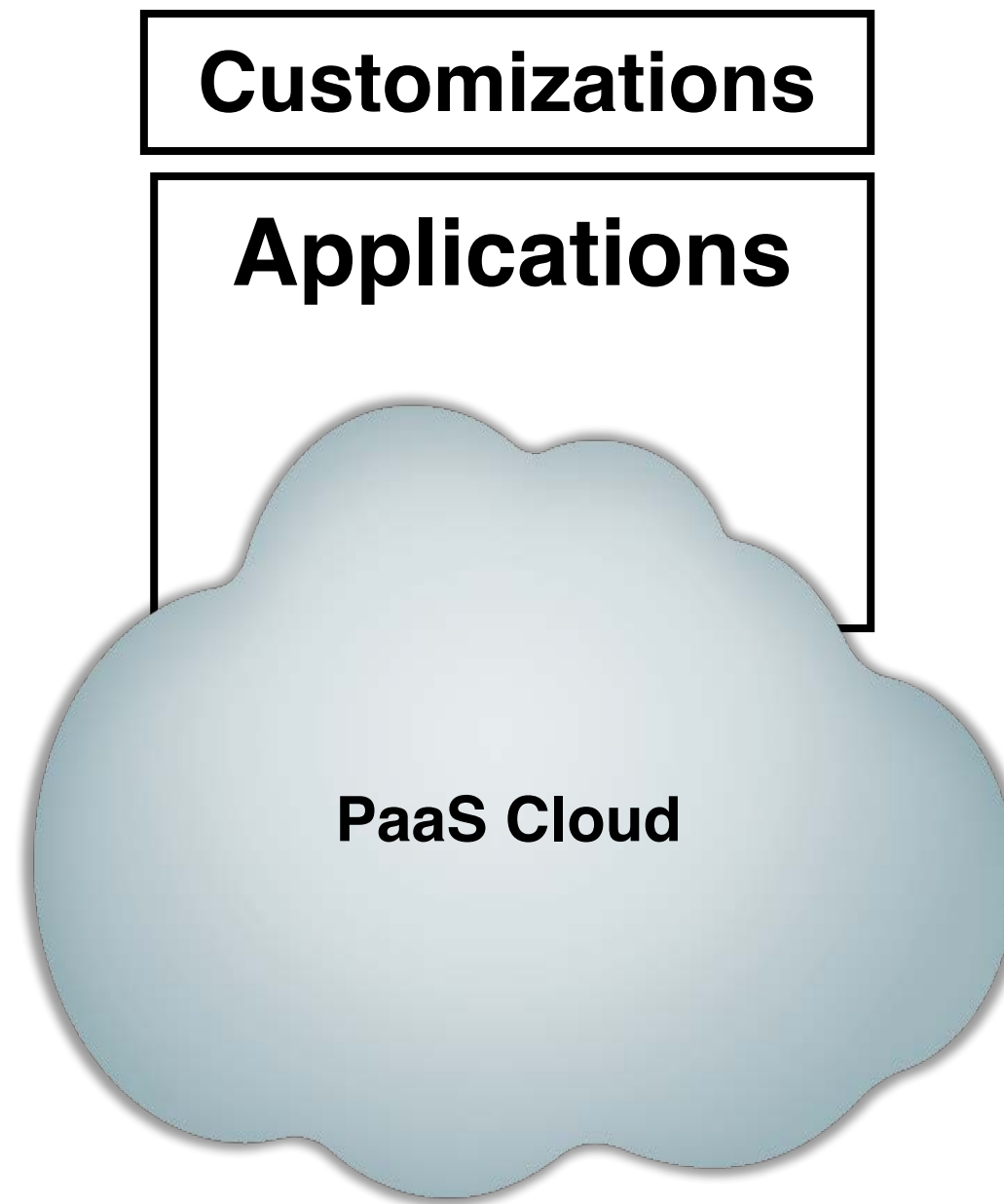
Data, Integration, and App Development

Platform as a Service (PaaS)

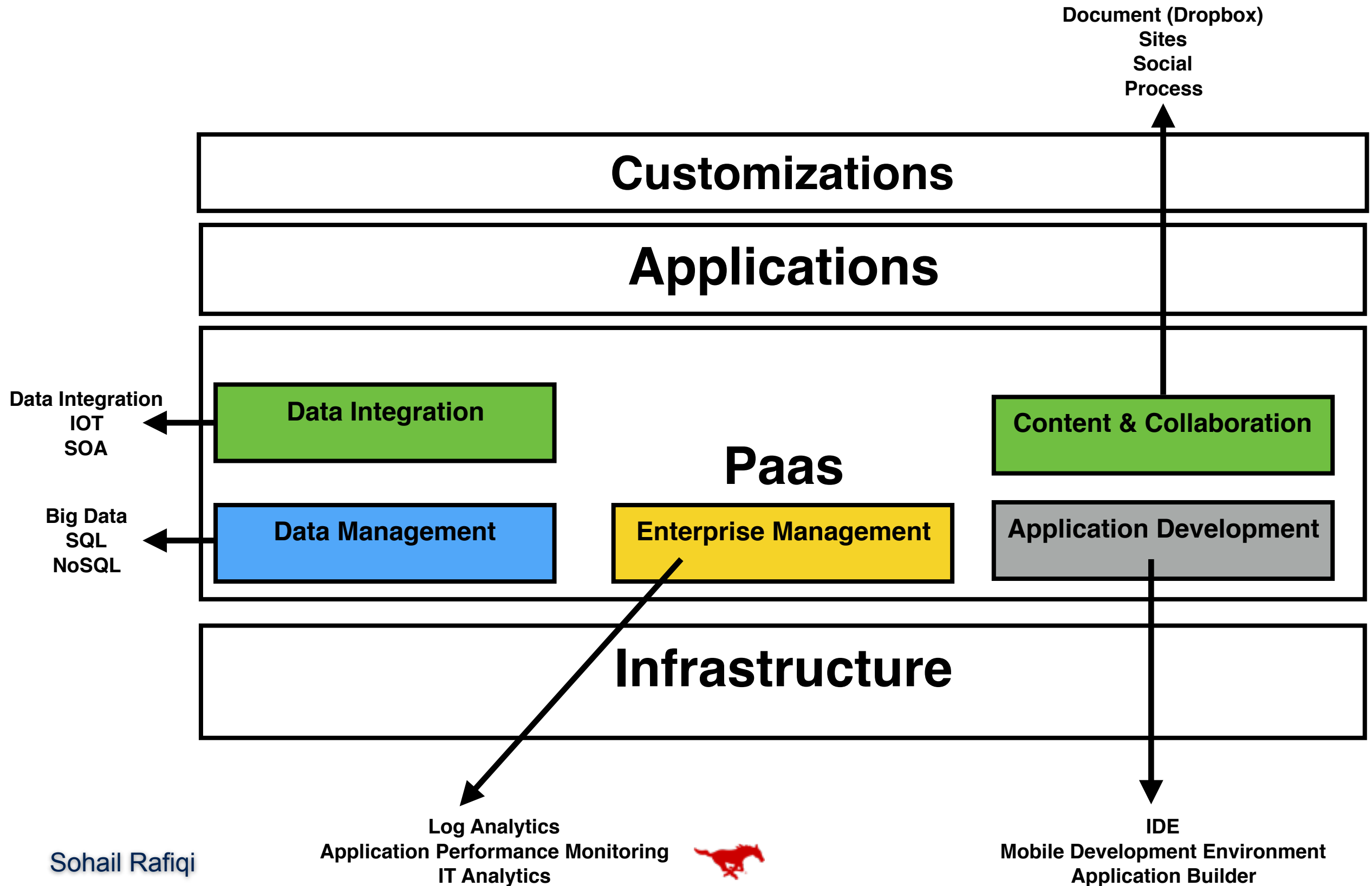
- Builds on top of the Infrastructure as a service
- Provides users:
 - Development tools, Software Libraries, Databases,
 - Middleware
- Enable users to quickly develop and deploy applications
- Cloud provider manages:
 - Hardware, OS, Network, Storage, Middleware



Service Models



Platform as a Service



Database Services

- Cloud DB Service provides relational and NoSQL DB
- Relieves app developers of administration tasks
- Popular RDBMS:
 - SQL Server
 - MySQL
 - Oracle



Features

- Scalability
 - Provision as much compute and storage resource required for application workload
 - Provisioned capacity can be scaled-up and down
- Reliability
 - High availability is provided by Cloud providers
 - Including database backup/restore utilities



Features

- Security
 - Cloud provider handles data access, DOS, etc.
 - Some provides encryption at rest and in-transit.
- Performance
 - User can easily monitor and manage performance

