

# Technology Stack 2018

## Data Management, Data-Centric Architectures

### Data Integration, Stream Processing

- Apache Spark
- StreamSets
- Apache Kafka
- Apache NiFi
- Flink
- Debezium
- Riemann
- NATS
- PipelineDB

### "Cold" Data

- Hadoop
- HDFS
- Apache HBASE
- Hive

### "Warm" Data

- Greenplum Database
- PostgreSQL
- Cassandra
- Timescale DB
- AgensGraph
- Zombo DB
- ClickHouse

### "Hot" Data

- Apache Geode
- Apache Ignite
- Redis
- HazelCast
- MemCached

## Software Development

### Java

- Spring
- Jersey
- Hibernate/JPA
- messaging protocols
- SQL
- noSQL
- JBoss
- Tomcat
- WebSphere
- SOAP/WSDL. J2EE
- JSP/Servlets
- JSTL
- Applet
- Swing
- Web Services

### Mobile Apps – iOS, Android

- Xamarin
- React Native
- Objective-C
- Swift
- Realm
- Fmdb
- DeepLinkKit
- AFNetworking
- JRSwizzle
- CocoaPods
- Carthage
- Crashlytics
- fastlane

### Python

- Matlab
- Anaconda
- Jupiter
- Scikit-learn
- LightGBM
- TensorFlow
- NLTK
- Gensim
- TextBlob
- Numpy
- Pandas
- Statistica
- Django
- lambda

### Web Development

- React,
- AngularJS,
- Node.js,
- Webpack,
- npm,
- Bower,
- Backbone.js,
- JQuery,
- TypeScript,
- Bootstrap,
- Silverlight

## Software Solutions

### Key Programming Languages

- Java
- Python
- JavaScript
- PL/SQL
- PL/PgSQL
- C
- C++
- Haskell
- Go
- Closure
- Perl
- PHP
- ASP.NET

### Key Database Engines

- GreenPlum DB
- Oracle DB/Exadata
- PostgreSQL
- MS SQL
- MySQL
- Sqlite
- Pipeline DB
- Cassandra
- ClickHouse
- Mongo DB

### Data Integration

- ETL/ELT:
  - Oracle DIS (Data Integrator, Enterprise Data Quality, GoldenGate), Informatica, MS SSIS
- Data Quality & Governance:
  - Oracle EDQ
  - Oracle Enterprise Metadata Management
- Message Queues:
  - ActiveMQ
  - ZeroMQ
  - RabbitMQ

### DevOps

- Version Control: subversion, cvs, git, bitbucket
- Continuous Integration/Continuous Delivery (CI/CD): Jenkins, Archive
- Tracking: Redmine, JIRA, Basecamp
- Load Tests: Locust.io, JMeter, Yandex Tank, Telegraf