

DATA & AI LANDSCAPE 2020

INFRASTRUCTURE

STORAGE
amazon S3, Google Cloud Storage, IBM Storage, PURE STORAGE, wasabi, ALLUXIO, panasas, nimblestorage, COHESITY, VAST, CLUMMO

HADOOP
CLUSTERERA, Amazon EMR, Amazon HDInsight, HPE, Pivotal, jethro, IBM Cloud Platform, IBM InfoSphere BigInsights, IBM InfoSphere, ARM

DATA LAKES
Amazon Data Lake Storage, AWS Lake Formation, IBM Power Systems, Yellowbrick, Oracle, Pivotal, GIGASPACE, GridGain, hazelcast, kx, Materialize, Wallaroo, PASTDATA, meroxa

DATA WAREHOUSES
amazon REDSHIFT, Google BigQuery, Amazon Redshift, SAP Cloud Platform, ORACLE, confluent, Oracle, Pivotal, GIGASPACE, GridGain, hazelcast, kx, Materialize, Wallaroo, PASTDATA, meroxa

STREAMING / IN-MEMORY
amazon Kinesis, Google Cloud Dataflow, SAP, Oracle, confluent, GIGASPACE, GridGain, hazelcast, kx, Materialize, Wallaroo, PASTDATA, meroxa

NoSQL DATABASES
Google Cloud Bigtable, Amazon DynamoDB, Amazon DocumentDB, Azure CosmosDB, ORACLE, MarkLogic, DATASTAX, KERO SPIKE, SCYLLA, ArangoDB

NewSQL DATABASES
SAP HANA, Amazon Aurora, nuodb, SAP HANA, Amazon Aurora, nuodb, SAP HANA, Amazon Aurora, nuodb

GRAPH DBs
neo4j, Amazon Neptune, IBM, ORACLE, OrientDB, STARDOG, InfiniteGraph, TigerGraph

MPP DBs
TERADATA, VERTICA, IBM Data Warehouse Systems, Qcton, Kognito, Exasol

SERVER-LESS
Microsoft Azure, Amazon AWS, Google Cloud Functions, Oracle, Pivotal, SAP HANA, Amazon Aurora, nuodb

CLUSTER SVCS
Amazon ECS, IBM, Amazon EKS, IBM, Amazon EKS, IBM, Amazon EKS

ETL / DATA TRANSFORMATION
talend, pentaho, alteryx, TRIFACTA, Amazon Glue, Amazon Athena, Amazon Data Factory, Paxata, StreamSets, UNIFI, tamr, FISHTOWN, dataform

DATA INTEGRATION
SAP Data Services, Segment, Informatica, MuleSoft, TEALUM, snapLogic, Stitch, Qlik Data Catalyst, tray.io, Fivetran, aplenty, ATTUNITY, ZALONI, import.io, MATILLION, Infoworks, SNOWFLOW, Narrator, Censu, SEEKWELL

DATA GOVERNANCE
Informatica, SailPoint, IBM, Alation, collibra, McAfee Skyhigh Security Cloud, dremio, MANTA, IMMUTA, OKERA, Waterline Data, data.world, PRIVA GERA

DATA QUALITY
talend, TORO, SODA, datafold, Databand, precisely, great_expectations, MONTE CARLO

MGMT / MONITORING
amazon CloudWatch, New Relic, DATA DOG, splunk, APPDYNAMICS, rubrik, dynatrace, solarwinds, druva, WAVEFRONT, actifio, Numerify, Moogsoft, chronosphere, unravel, pagerduty, SCALYR, zenoss, ScienceLogic, MAGNITUDE, VEEAM, Grafana Labs, OpsRamp

DATA GENERATION & LABELLING
amazon mechanical turk, HIIVE, scale, upwork, appen, unity, LIONBRIDGE, Labelbox, AI.EEVEE

AI OPS
ALGORITHMIA, HPE, Emeral ML Ops, Weights & Biases, comet, Soogier, Determined AI, Verta.ai, TACTON, SPILL, Arthur AI, fiddler, datamo, EVIDENT AI

GPU DBs & CLOUD
kinetica, Paperspace, Scream, omni sci, FAUNA, brytlyt, PG-Strom, blazegraph, BLAZINGDB, FLOYDHUB

AI HARDWARE
Google TPU, arm, intel AI, NVIDIA, IBM Power Systems, GRAPHCORE, intel AI, WAVE, covariant, CREDO, HALO, MYTHIC, Movidius, Horizon Robotics, vicarious, CERNA MI, cerebras

ANALYTICS & MACHINE INTELLIGENCE

BI PLATFORMS
looker, Microsoft, Amazon QuickSight, ThoughtSpot, Sisense, AT SCALE, Qlik, MicroStrategy, Keen IO

VISUALIZATION
tableau, Power BI, SAP, Google Data Studio, Pariscopes Data, zepl, SOMDATA, plotly, CHARTIO, FOUCAIN TOCO, Observable, GRID

DATA ANALYST PLATFORMS
Microsoft, pentaho, alteryx, si su, MODE, Datameer, Starburst, anodot, outlier, Digital Reasoning, ENDOR, Power BI, ATTIVO, incorta, interlana, GUAVUS, ASCENDJO, switchboard

DATA SCIENCE NOTEBOOKS
jupyterhub, binder, colab, Saturn Cloud, Amazon SageMaker, Deepnote, COCALC, count, Nextjournal

DATA SCIENCE PLATFORMS
IBM Watson Studio, databricks, data iku, ORACLE Data Science Platform, rapidminer, SSAS, TIBCO, ANACONDA, Altair Knowledge Works, KNIME, DOMINO, MathWorks

MACHINE LEARNING
Azure Machine Learning, Amazon SageMaker, Google Cloud AutoML Vision, H2O.ai, DataRobot, gamalon, VISENZE, ELEMENT AI, deepsense.ai, OctoML

COMPUTER VISION
Face++, 旷视, 商汤, Microsoft Azure, AWS DeepRekognition, Cloud Vision API, clarifai, EVER AI, deepomatic, neuro, twentybn, UBIQUITY6, AIDE, 依图 YITU, trax, 旷视, synthesia, DataGrid, onfido

HORIZONTAL AI
IBM Watson, Cortana, NEURAL MAGIC, Voyager Labs, Affective, PROPHESIE, CognitiveScale, Numenta, PETUUM, SCALED INFERENCE, naralogics, OSARO, THE CURIOUS AI, BLUE VISION, 4paradigm, 8PT, II, Nubank

SPEECH & NLP
Google Natural Language API, twilio, amazon alexa, amazon Translate, amazon Polly, amazon Transcribe, amazon Comprehend, Azure Cognitive Services, Wolfram|Alpha, semantic machines, Mevo, Eigen, SoundHound Inc., PRIMER, MindMeld, SMARTLING, Unbabel, nuance, voiceira, MonkeyLearn, Gridspace, cogito, PolyAI, Amey Analytics, cortical.io

SEARCH
elasticsearch, amazon Kendra, ORACLE ENDECA, amazon CloudSearch, Azure Cognitive Services, algolia, covéo, SINEOQA, Lucidworks, ATTIVO, swifttype, EXALEAD, alphasense, omni:us, MAANA, logz.io, logdna

LOG ANALYTICS
splunk, Google Cloud Logging, sumologic, solarwinds loggly, hibana, TIMBER, logzio, logdna

SOCIAL ANALYTICS
Hootsuite, sprinklr, NETBASE, synthesio, simple reach, bitly, track, SimilarWeb

WEB / MOBILE / COMMERCE ANALYTICS
Google Analytics, mixpanel, SIGOPT, Airtable, RESCI, granify, Amplitude

APPLICATIONS - ENTERPRISE

SALES
einstein, GONG, CHORUS, conversica, aviso, peopleai, Clearbit, tact.ai, fuse|machines

MARKETING - B2B
App Annie, Lattice, Simon, attentive, Active Campaign, SendGrid, CONTENTSQUARE, ZETA, mparticle, Amperity, bloomreach, Bluecore, INVOCA, braze, TUBULAR, ENGAGIO

MARKETING - B2C
TEALUM, ACTIONIQ, Segment, Kustomer, freshdesk, Gainsight, pendo, HEAP, Amplitude, Watson Assistant, Dialogflow, LIVERPERSON, INTERCOM, Drift, ASAPP, ada, afiniti, netomi, CallDesk, circall, Eureka, talla, frame.ai

CUSTOMER EXPERIENCE / SERVICE
qualtrics, SurveyMonkey, UserTesting, CLARABRIDGE, MEDALLIA, zendesk, Kustomer, freshdesk, Gainsight, pendo, HEAP, Amplitude, Watson Assistant, Dialogflow, LIVERPERSON, INTERCOM, Drift, ASAPP, ada, afiniti, netomi, CallDesk, circall, Eureka, talla, frame.ai

HUMAN CAPITAL
HireVue, Symetrics, textio, Pipl, mya, QAIYO, Wade&Wendy, CER

LEGAL
RAVEL, Seal, DISCO, ContractPodIP, kira, R.I.S.S., PARTNERSHIPS, CROSSBEAM, DATA REPUBLIC, INFOSUM

REGTECH & COMPLIANCE
BigID, text IQ, TESSIAN, Camly Advantage, OneTrust, ETHYCA, SECURITY.ai

FINANCE
naplan, zuora, SAP S/4 HANA, TRADESHIFF, SCALE FACTOR, botkeeper, pilot, DIGITS, appzen

AUTOMATION & RPA
UiPath, HyperScience, ZINIER, blueprism, WorkFusion, workato, KRYON, ANTWORKS, ALKYM, Fortress, highradius, Electric, INSTABASE, Moveworks, CELONIS

SECURITY
TANIMUM, BlackBerry Spark, Zscaler, StackPath, illumio, FORTER, feedzai, DATAVISOR, pindrop, siftscience, riskrecon, ANOMALI, Recorded Future, SHIELD AI, sparkognition, cypress, DARKTRACE, ThreatMetrix, VECTRA, SOCRU, cloudflare, exabam, ARAT, OBSIDIAN, SentinelOne, BLUEHEXAGON, AXONIX, CIGGuardian, Armorblox, CybelAngel, PRIVITAR, netskope, nsxifed

APPLICATIONS - INDUSTRY

ADVERTISING
AppNexus, MediaMath, criteo, IAS, ORACLE MOAT, albert, gumgum, Cppier, theTradeDesk, TAPAD

EDUCATION
Liulishuo, 猿辅导, KNEWTON, Geclara, 秘图 AI, SKYLINE, SPACEMAKER, GEOPHY, KORBIT

REAL ESTATE
REDFIN, VTS, Opendoor, Orchard, reonomy, SKYLINE, SPACEMAKER, GEOPHY

GOVT & INTELLIGENCE
Palantir, OPENGOV, Dataminr, MARK43, ANDURIL, FiscalNote, Quid, PRIMER

COMMERCE
FAIRE, STITCH FIX, HowGood, STANDARD, FINANCE - INVESTING, AYASDI, KENSHC, ADDEPAR, NUMERA

FINANCE - LENDING
affirm, Monedo, TALA, ZEST, upgrade, LEARNBANC, cura, Upstart, 100Credit, Active AI

INSURANCE
ROOT, Metromile, Lemonade, GUIDEWIRE, Shift Technology, ARTURO, CAPE, TRACTABLE, EvolutionQ, ZELROS, zestly.ai

HEALTHCARE
flatiron, KYRUUS, METABIOTA, babylon, 3D Med, PathAI, TEMPUS, patientslikeme, AICure, LinkDoc, sig, Olive, imago, komodohealth, PAIGE, K health, innovaccer, lumina, spring health, THE HUMAN DIAGNOSIS PROJECT, ezra, Caption Health, IMAGEN, zebra

LIFE SCIENCES
color, BenevolentAI, DNAnexus, verily, genentech, Z, genentech, inato, freemove, Atomwise, Phosphorus, deep genomics, SOPHIA, OWKIN, insitro, Escientia, RECURSION, ConcertAI, healx, Verana Health

TRANSPORTATION
UBER, TESLA, WAYMO, CRUISE, NURO, APTIV, CAMBRIDGE, Aurora, nauto, AMOTIVE, AIGO, PILOT AI, NIO, OPTIMUS, G7, Ibe, insitro, Escientia, RECURSION, blazee, GHOST, PERCEPTIVE AUTOMATA, semios

AGRICULTURE
FARMERS, Granular, JOHN DEERE, BLUE RIVER, TARANIS, prospera, semios

INDUSTRIAL
AVEVA, SIEMENS, stem, Amper, ByteDance, STATESPACE, VERDIGIS, SCORTEX, TACHYUS, ALICE, BUILL, Lightricks

OTHER
Other industry-specific companies and startups.

OPEN SOURCE

FRAMEWORKS
TensorFlow, PyTorch, Keras, MXNet, Caffe, Microsoft Cognitive Toolkit, DM TK

QUERY / DATA FLOW
Spark, SQL, presto, SLAMDATA, GraphQL, Flink, HAWQ

DATA ACCESS & DATABASES
cassandra, mongoDB, redis, Cockroach Labs, riak, Amundsen, druid, Uber Databook, Dataportal, SciDB, Cloud Spanner, OPENSTACK, HBASE, EDGE DB

ORCHESTRATION & PIPELINES
Apache Airflow, talend, Apache Ambari, MESOS, etcd, PREFECT, Kedro, DAGSTER, xdbt, MARQUEZ, RAY, Flyte, DASK, argo, TEKTON

STREAMING & MESSAGING
Spark Streaming, kafka, beam, PULSAR, Flink, STORM, nifi, Apache RocketMQ

STAT TOOLS & LANGUAGES
python, R, Scala, NumPy, pandas, SciPy, R Studio, Julia, Jupyter, BENTOML

AI OPS & INFRA
miflow, mlflow, KubeFlow, DVC, SELDON, snorflak, Polyaxon, BENTOML

AI / MACHINE LEARNING / DEEP LEARNING
TensorFlow, Keras, PyTorch, MXNet, Caffe, Microsoft Cognitive Toolkit, DM TK, OpenAI, theano, PaddlePaddle, Apache SINGA, DIMSUM, FeatureFu, VELES, mxnet, neon, Chainer, Michelangelo, ONNX, WEKA, Ludwig, mlr, OpenML, mindspdb

SEARCH
elasticsearch, Solr, Lucene, Sphinx, Sonic, Toshi Search

LOGGING & MONITORING
elasticsearch, kibana, logstash, SENTRY, Prometheus, fluentbit, fluentd, Grafana, Vector, OpenTelemetry

VISUALIZATION
Superset, matplotlib, Metabase, redash, TensorBoard, seaborn, bokeh, appio2

COLLABORATION
Jupyter, Zeppelin, ANACONDA

SECURITY
Apache Ranger, KNOX, Sentry, accumulo, snyk

DATA SOURCES & APIS

DATA MARKETPLACES & DISCOVERY
aws Data Exchange, snowflake Data Exchange, DAWEX, EXPLORIUM, data.world, narrative

FINANCIAL & ECONOMIC DATA
Bloomberg, THOMSON REUTERS, DOW JONES, Quandl, S&P CAPITALIQ, CB INSIGHTS, PLAID, INVESTNET, VODLEE, THE WORLD BANK, StockTwits, xignite, Thinknum, earnest, predata, MX, tink, SmartNews

AIR / SPACE / SEA
Orbital Insight, AIRBOTICS, spire, Descartes Labs, WINDWARD, MarineTraffic, LOFT ORBITAL, RS Metrics, ExoLabs, 千寻位置, Synspicive

PEOPLE / ENTITIES
zoominfo, axiomatic, experian, Epsilon, InsideView, Brandwatch, Quantcast, BASIS, SAFEGRAPH, Demyst, melissa

LOCATION INTELLIGENCE
FOURSQUARE, mapbox, sense360, pitney bowes, PlaceIQ, esri, CARY, Radar, Mapillary, cuebiq, OpenStreetMap

OTHER
DATA.GOV, DEFENSE INNOVATION UNIT, IMAGENET, LabelMe, BerkeleyDeepDrive, FORD, APOLLOSCOPE, CRUX

DATA RESOURCES

DATA SERVICES
QUANTUMBLACK, Booz | Allen | Hamilton, kaggle, Electrifi, fractal, EXL, DataKind, innoplaxus

INCUBATORS & SCHOOLS
PLURALSIGHT, GENERAL ASSEMBLY, DataCamp, DataElite, galvanize, METIS, INSIGHT, The Data Incubator

RESEARCH
OpenAI, facebook research, MILA, MIRI, VECTOR INSTITUTE, CSAIL, DFK, ALLEN INSTITUTE FOR ARTIFICIAL INTELLIGENCE