Course Directory For Holistica Online Training

Course Titles and their Modules

Course: **Hi and Welcome to the Platform**
Status: **Complete and live**

Modules

- Who is Ayub Shaikh?
- Why it is great that you are here

Course: **Corporate IT: Understanding the Basics**
Status: **Complete and live**

Modules

- What is Corporate IT?
- The three-layer model for IT
- Corporate IT Evolves
- IT for your client is a rough terrain
- Understanding the range of hardware
- Early corporate IT and mainframes
- Enter the PC and Client-Server Architecture
- From PC to Thin Client and Citrix
- Key Players in IT

Course: **Recruiting for the 21st Century IT Department**
Status: **Complete and live**

Modules

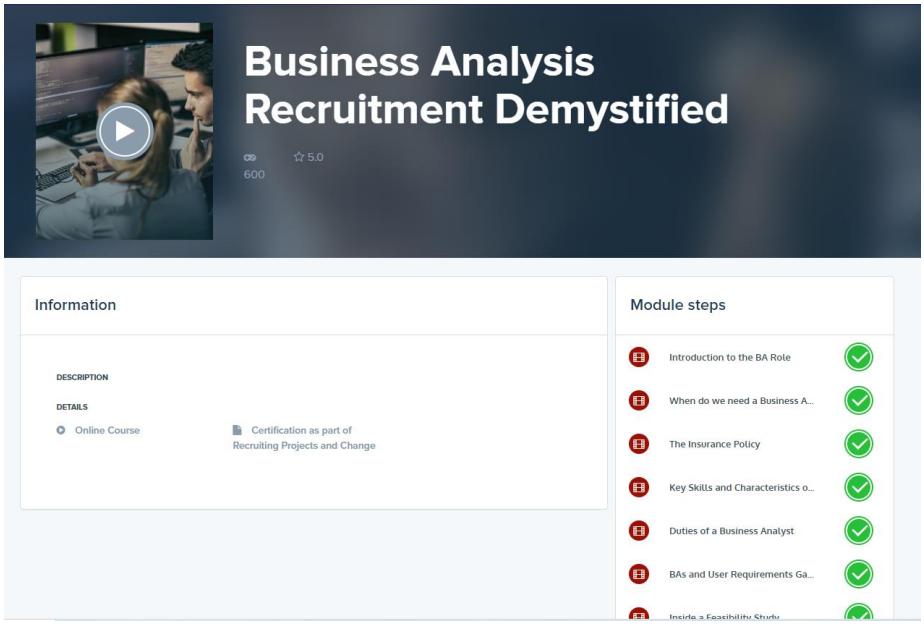
- Introduction
- Where is our IT department?
- The spectrum from on-premise to Cloud
- Off-shoring and outsourcing
- The silos within IT
- CIOs and CTOs; The Strategy Team
- Introducing the Architects
- Introducing the Analysts
- Introducing the Developers
- Introducing the Networking Team
- Introducing the Operations and Support Team
- Introducing the Data Team
- Cloud and the IT Department
- An introduction to Edge technology
- **Certification**

Course: **Recruiting Architects in IT Masterclass**
Status: **Complete and live**

Modules

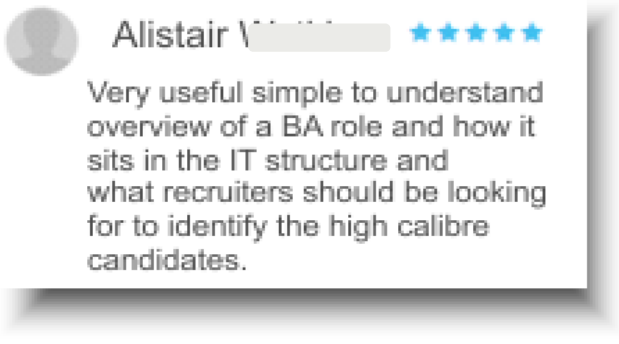
- Introduction
- Duties of an Architect
- Frameworks and governance within IT
- Inside a Technical Specification
- The different Architect's in IT
- Duties of an Enterprise Architect
- Duties of a Solutions Architect
- Duties of a Technical Architect
- Duties of an Enterprise Solutions Architect
- TOGAF, Zachman and Gartner frameworks
- What to look out for on an Architect's CV
- Interviewing the Architects
- **Certification**

Course: **Recruiting Business Analysts Masterclass**
Status: **Complete and live**



Modules

- Introduction
- When do we need a Business Analyst?
- Key duties and responsibilities
- Key skills and characteristics
- The process of requirements gathering
- Deliverables of a Feasibility Study
- BA's and Change Management
- Data Modelling with UML and Visio
- Allocating workflow packages
- Terminology to look out for on CVs
- BA's and data analysis
- Qualifications and accreditations for this role
- Personality and soft skills to look for
- Interviewing a Business Analyst
- **Certification as part of Recruiting Projects and Change**



Course: **Recruiting Project and Programme Managers Masterclass**

Status: **Complete and live**

Modules

- Introduction
- Key Duties of a Project Manager
- Project Management Methodologies
- PRINCE 2 in detail
- Strengths and weaknesses of PRINCE2
- Understanding Lean Six Sigma
- The Lean Six Sigma Rankings
- Tools used by Project Managers
- DevOps the future of Agile
- Workflow Breakdown and JIRA
- What is a PMO?
- Programme and Portfolio Managers
- Interviewing a Project Manager
- **Certification as part of Recruiting Projects and Change**

Course: **Recruiting in an Agile Environment**
Status: **Complete and live**

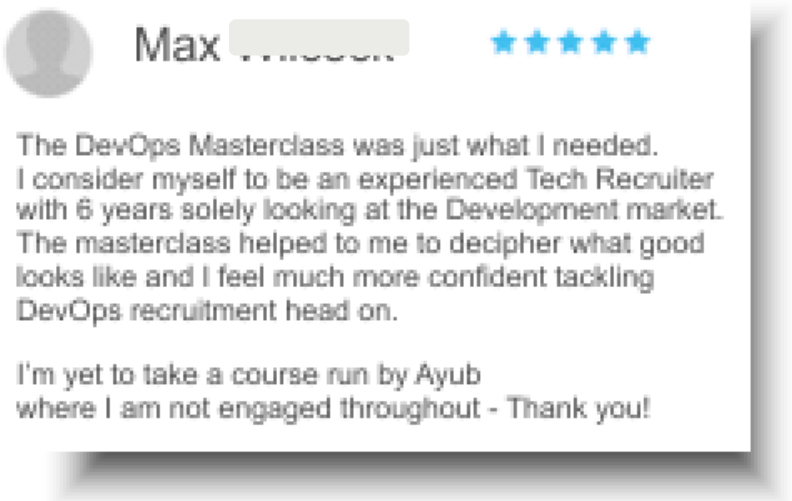
Modules

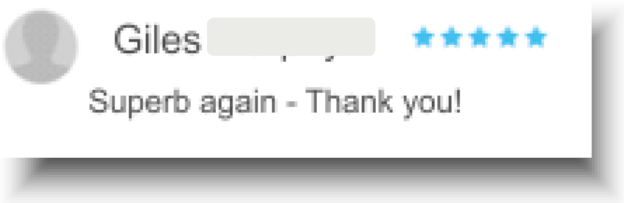
- Weaknesses of Project Lifecycle
- The principles of Agile
- Iterative prototyping is key
- Story points, Stand-ups and Scrum Boards
- Role of a Product Owner
- What is a Product Roadmap?
- Duties of a Scrum Master
- DevOps the future of Agile
- **Certification**

Course: **Recruiting in a DevOps Environment**
Status: **Complete and live**

Modules

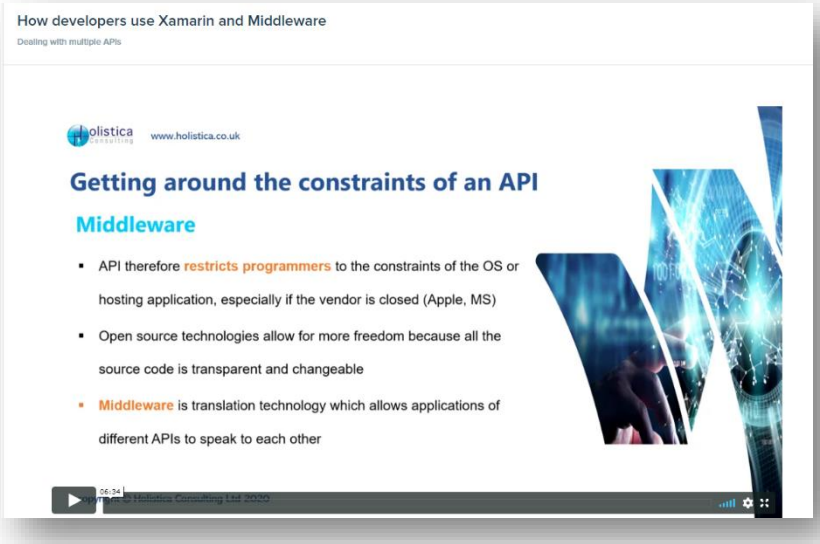
- Introduction
- Weaknesses of Project/Waterfall
- Weaknesses of Agile
- Enter DevOps
- Understanding the DevOps cycle
- The philosophy of Continuous Development
- Planning tools used in DevOps
- SCM and Version Control
- Understanding Salt and Saltstack
- Getting to grips with Chef
- Enter Jenkins
- Why they use JIRA and New Relic
- Continuous Integration and Deployment
- The beauty of Microservices and Containers
- SysAdmin and Infrastructure as Code (IaC)
- Where Docker and Kubernetes come in
- Interviewing a DevOps Engineer
- **Certification**





Course: **Recruiting Front End and Web Developers: An Introduction**

Status: **Complete and live**



Modules

- An introduction to software development
- The evolution of development languages
- The three layers of an application
- Real-time systems and OS development
- Programming the GUI
- Front-end tools and data binding
- What is an API?
- The ever-changing Microsoft API
- How developers use Xamarin and Middleware
- Developing with Winforms, WPF and WCF
- Developing Applications for a Client-Server Network
- Understanding Frameworks, libraries and SDKs
- Web Development and the rise of SPAs
- CSS Cascading Styles Sheets and their use
- The rise and rise of JavaScript
- Real-time systems and OS development
- Where ASP.NET comes in
- The beauty of JSON
- The rise of Scala
- When to use Ruby
- **Certification following completion of all software modules**

Course: **Recruiting Back End Software Developers: An Introduction**

Status: **Complete and live**

Modules

- Introduction to back-end development
- Back-end development today
- Getting to grips with syntax
- How a language is chosen for a project
- High-frequency and low-latency applications
- An introduction to Object Oriented development
- OO methodologies elsewhere in IT
- Object Oriented languages
- The beauty of Model-View-Controller (MVC)
- MVC in practice
- Appreciating legacy languages
- The beauty of Java
- C# and the .NET family
- The magic of PHP
- Questions for clients when you're taking job specs
- **Certification following completion of all software modules**

Course: **Recruiting Database Specialists Masterclass**
Status: **Complete and live**

Modules

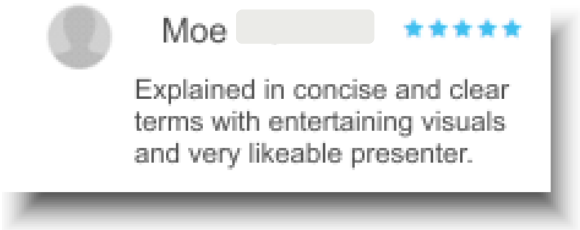
- Introduction to databases
- Database fundamentals
- The process of building a database
- The data business analyst
- Data modelling and the data dictionary
- Duties of a Data Architect
- Duties of a Database Developer
- Production and Development DBAs
- ACID testing and Capacity Planning
- Data Warehouses, Data Lakes and Data Marts
- Database security consultants
- Recruiting Oracle Database Specialists
- Oracle Hardware Software and Product Range
- Oracle Middleware and the Fusion suite
- Recruiting Microsoft Database Specialists
- MS SQL Server and associated technologies
- Getting to grips with Polybase and Stretch technology
- Understanding, JSON and Dynamic Data Masking
- Microsoft's use of R Services
- Enter MS SSMS,SSDT, SSAS, SSRS and SSIS
- The beauty of Model-View-Controller (MVC)
- Recruiting NoSQL candidates
- Introducing MongoDb, Cassandra, Neo and CouchDB
- Questions for clients and candidates
- Conclusion
- **Certification**

Course: **Recruiting Big Data and Business Intelligence Specialists Masterclass**

Status: **Complete and live**

Modules

- Introduction
- Data is the new oil
- A recap of Machine Learning from the AI course
- When the data points the way
- Big data creates the expertise
- The 3 V's of Big Data
- Scale, size and sources of Big Data
- The CRISP methodology of data warehousing
- The four layers of Business Intelligence design
- BI and Big Data terminology on CVs
- Understanding OLTP and OLAP
- Cubes and hypercubes
- OLAP, ROLAP, MOLAP and HOLAP
- Introducing the players in BI
- IBM Cognos and how it's used
- Oracle Hyperion and its features
- SAP Business Objects, and Hana
- Microsoft in the BI market
- Visualization tools in Business Intelligence
- Tableau, SAS, Qlikview and Microstrategy
- Languages and programming in BI
- R and Python as used in BI
- Hadoop and its associated product
- Casandra, Splunk and Spark in BI
- **Certification**



Course: **Recruiting Network, Infrastructure and Support Specialists Masterclass**

Status: **Complete and live**

Modules

- Introduction
- A sea of acronyms demystified
- Scale of networks: LAN, WAN, CAN and MAN
- Understanding transmission medium
- Working with fibre, copper and wireless
- Getting to grips with transmission terminology
- The world of networking protocols
- Introduction to networking devices
- Hubs, switches, routers and bridges
- Introducing the networking roles
- Duties of a Network Architect
- What to look for on their CVs
- Duties of a Network Engineer
- What to look for on their CVs
- Duties of a Network Administrator
- Supporting Edge technology
- What to look for on their CVs
- Introducing the world of Helpdesk and Support
- Duties of a Systems Administrator in detail
- Difference between Windows and Linux administration
- Interview questions for a SysAdmin
- Automation and DevOps impact on the SysAdmin role
- Helpdesk: 1st, 2nd, 3rd and 4th line support
- The duties, skills and qualifications at each level
- Introducing the Ethical Hacker role
- **Certification**

Course: **Recruiting Cloud Specialists Masterclass**
Status: **Going live shortly**

Modules

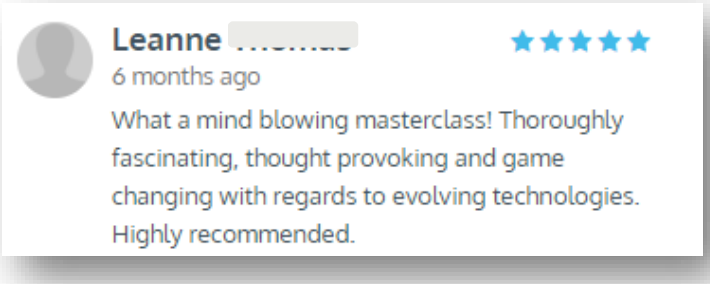
- Introduction
- xaaS demystified
- The benefits of coming over to Cloud
- NIST and the true definition of Cloud technologies
- A historical run up to Cloud
- The Cloud technology stack
- IaaS: Infrastructure as a Service technology stack
- The big IaaS players globally
- An Amazon case study
- AWS and its components
    - Amazon Elastic Compute Cloud (EC2)
    - AWS Lambda, AWS Cloudwatch, AWS X-Ray
- AWS DevOps
- Google Cloud Platform
- Alibaba Cloud
- IaaS and bare metal installations
- Virtual machines and hypervisors
- DevOps in the Cloud
- The problem of noisy neighbours
- PaaS: Platform as a Service technology stack
- When is PaaS used?
- MPaaS and CPaaS
- SaaS: Infrastructure as a Service technology stack
- The big SaaS players globally
- A Microsoft case study
- Azure and its components
    - Azure Service Fabric
    - Azure App Service, Azure Security Services
- Open source cloud technology
- Duties of a Cloud Engineer
- Duties of a Cloud Architect
- Duties of a Cloud Security Engineer
- Duties of a Cloud Administrator
- **Certification**

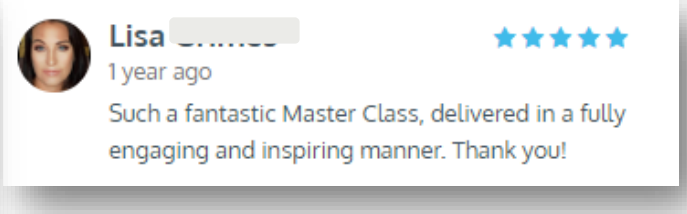
Course: **Recruiting AI and Machine Learning Specialists Masterclass**

Status: **Complete and live**

Modules

- Introduction
- Intelligence, real and artificial
- The Turing Test
- Three categories of AI
- Teaching machines how to learn
- Supervised and unsupervised ML
- The beauty of algorithms
- How ML Engineers use algorithms
- K-Means clustering and Netflix
- Introduction to Deep Learning
- Neural networks and AI
- The road to Super-intelligence
- Artificial neurons and the AI brain
- Role of a Machine Learning Engineer
- Understanding data sources and data sets
- How they use Kaggle
- CV of a Machine Learning expert
- Will I lose my job to AI?
- AI disruption in Law and Medicine
- IBM Watson in action
- Why we are afraid
- And now the end is near
- When an AI paints a picture
- **Certification**





Scheduled to go up on the platform:

Course: **Recruiting for the Blockchain Market**

Course: **Recruiting Cyber-security Specialists Masterclass**

Course: **Recruiting for the Digital Market Masterclass**

See more information and previews at

www.holisticaonline.com

Sample Index of Terms covered in the platform so far:

.NET
3-LAYERS OF DEEP LEA...
60 SECONDS ON THE IN...
ACID TESTTING
AGILE
AL KHWARIZMI
ALAN TURING
ANGULARJS
ANSIBLE
API APPLICATION PROG...
ARTIFICIAL NODES
ASP.NET
AZURE SQL
BDD
BLACK BOX TESTING
BLETCHLEY PARK
BLOCKCHAIN
BPR BUSINESS PROCESS...
BRIDGE
BUSINESS CONTINUITY
C#
CAN
CAPACITY PLANNING
CASANDRA
CAT 3 10BASE-T
CHANGE MANAGEMENT
CHEF
CISCO
CITRIX
CLUSTERING
CODD'S RULES
COLD STORAGE
CONTAINERS
CONTINUOUS DEPLOYMEN...
CONTINUOUS INTEGRATI...
CORPORATE IT
COUCHONE
CSS
DATA ARCHITECT
DATA BUSINESS ANALYS...
DATA DICTIONARY
DATA LAKE
DATA MART
DATA MODELLING
DATA WAREHOUSE
DATABASE DEVELOPER
DATABASE SECURITY
DEVELOPMENT DBA
DISASTER RECOVERY
DOCKER
DOCUMENT STORED NOSQL
DSDM
DUMB TERMINAL
DWDM
DYNAMIC DATA MASKING
DYNAMIC SCHEMA
EDGE ROUTER
ETHERNET
EVALUATION DATA
FEASIBILITY STUDY
FLAT-FILE
FLOCKDB
FORIEGN EXCHANGE
FRAMEWORKS
FRONT END DEVELOPMENT
FTTC
FTTH
GANNT CHART
GATEWAY ROUTER
GRANNY'S CHOCOLATE CAKE
GRAPH STORED NOSQL
GUI DEVELOPMENT
HACKING
HBASE
HOT STORAGE
HTTP
HUB
HYPERGRAPHDB
HYPERION
HYPERVISOR
IBM WATSON
IMAGE DATA
IN MEMORY OLTP
IT MODEL
ITERATIVE PROTOTYPING
JAVA
JAVASCRIPT
JAVA SERVERFACES
JBOSS

JSON
KAGGLE
KANBAN
KEY VALUE STORED NOS...
K-MEANS CLUSTERING
K-NEAREST NEIGHBOUR
KUBERNETES
LAN
LARRY ELLISON
LEAN 6 SIGMA
LEAST PRIVILEGE PRIN...
LIBRARIES
LOAD BALANCING
MACHINE LEARNING
MAINFRAME
MAN
MATLAB
MEAN STACK
MICROSERVICES
MIDDLEWARE
MMF
MONGO DB
MS SQL SERVER
MS SSAS
MS SSDT
MS SSIS
MS SSMS
MS SSRS
MS STRETCH DATABASE
MYSQL
NAIVE BAYES
NEO4J
NEURAL NETWORKS
NEW RELIC
NODEJS
NORMALIZATION
NOSQL
OCTAVE
OLAP
ONSITE VERSUS OFFSIT...
ORACLE
ORACLE ENGINEERED SY...
ORACLE ESSBASE
ORACLE EXADATA
JENKINS
ORACLE EXALOGIC
ORACLE FUSIONS
ORACLE ODI
ORACLE RAC
ORACLE SUPERCLUSTER
OUTSOURCING
PACKET DATA SWITCHIN...
PAN
PLSQL
PMO PROJECT MANAGEME...
POLYBASE
POLYMORPHIC DATA
POP3
PORTFOLIO MANAGER
PRIMARY KEY
PRINCE 2
PRODUCT OWNER
PRODUCT ROADMAP
PRODUCTION DBA
PROGRAMMING LANGUAGE...
PROJECT MANAGER
PROTOCOLS
PUPPET
PYTON
QUEL
R SERVICES
RAID
RANGE OF HARDWARE
REAL-TIME SYSTEMS
REGRESSION TESTING
REINFORCEMENT LEARNI...
REMITTANCES
SABER
SAIL
SALTSTACK
SASHIMI
SCHEMA
SCHEMATA
SCRUM MASTER
SDH
SDK SOFTWARE DEVELOP...
SDN SOFTWARE DEFINED...

SEQUEL
SHAREPOINT
SMF
SMPT
SONET
SYSAID
SPRINTS
SQL
STAND UPS
STORY POINTS
STP TWISTED PAIR
SUPERVISED LEARNING
SWIFT AND WORLD PAYM...
SWITCH
SYSTEMS INTEGRATION
TCP/IP
TDD
TEAMVIEWER
TERRASTORE
TEXT DATA
THE AI PARADOX
THE COFFEE TEST
THREE LAYERS OF IT
TRANSCIEVERS
TURING TEST
UML
UML UNIFIED MODELLIN...
UNSUPERVISED LEARNIN...
USER REQUIREMENTS DO...
VISIO
VISUAL C++
VISUAL STUDIO
VLAN
WAN
WCF WINDOWS COMMUNIC...
WEAK AND STRONG AI
WESTERN UNION
WHITE BOX TESTING
WIDE COLUMN NOSQL
WINDOWS AZURE BACKUP
WINDOWS DEVELOPMENT
WINFORMS
WORKFLOW BREAKDOWN
WPF WINDOWS PRESENTA...
XAMARIN
XEN SUITE