_NOLOGY CLOUD ENGINEERING

_nology

TALENT IN **TECH**NICOLOUR

CREATING QUALITY TECH TALENT

WITH THE DIGITAL SKILLS GAP WIDENING AND A CONSTANT PUSH FOR GREATER DIVERSITY IN TECH, _NOLOGY HELPS EMPLOYERS TACKLE THESE CHALLENGES BY CREATING DIVERSE TALENT.

_nology attracts, assesses, trains, and supports individuals who want to launch a career in tech and places them into client projects as Junior Software and Cloud Engineers.

Our unique attraction approach allows for total inclusion, resulting in a diverse pool of _nologists. Clients can turn _nologists into permanent employees, allowing for greater strength in both diversity and hard-to-find skill sets.

_nology is part of the Opus group, a global tech talent provider.

CLOUD ENGINEER TRAINING

Training is delivered by our expert team of coaches over a full-time 12-week period. All content has been curated by _nology based on the feedback of what our clients need and practically use.

Phase	JavaScript and Web Fundamentals	Agile and Testing	Front-End Frameworks	Databases and Server-side Programming	DevOps and CICD	Cloud & Infrastructure as Code
Goal	Learn the basics of building for the web	Develop an Agile and Testing mindset	Learn modern development techniques	Build servers and databases in production frameworks	Understand the principles of DevOps and CICD	Build our architecture in the Cloud with code
Content	• Tooling set-up • Command Line • Version Control • HTML and CSS • JavaScript • Programming • CICD basics • Typescript intro • OOP basics	• Agile principles • SCRUM • Unit Testing • TDD • Integrated Testing • UAT • Test Reporting • CICD Introduction	• Package Management • Framework architecture • React programming • HTTP and REST • Consuming APIs	• SQL basics • Advanced queries • SQL vs NoSQL • NoSQL Fundamentals • Server-side applications with Node.js • HTTP requests/response • RESTful APIs • MVC Architecture • ORM with Mongoose • Swagger Documentation	• DevOps Basics • Environments • Scripting • Pipelines • Jenkins • Networking in GCP	• Configuration Management • Ansible & Terraform • Docker & K8S • Monitoring • Serverless Architecture
Project	Build a website that includes a JavaScript game and deploy it live	Use TDD methodology to design an application that is tested via CICD pipeline	Deliver a data-driven React application	Build an API in Node, encompassing all the learned concepts	Create a pipeline that tests and deploys our Node app	Automate the orchestration of our Cloud infrastructure and monitor the Node app availability

ADDITIONAL MODULES

Our example curriculum shows what we regularly deliver for clients. However, we can bolt on training or design entire curriculums specific to your tech stack. Here are examples of additional modules that can be included on request:

- **GCP, AZURE, OR AWS FUNDAMENTALS:**
  An introduction to compute engines, identity & access management, platform as a service (PaaS), and Cloud monitoring

- **QA/ AUTOMATION TESTING:**
  Advanced testing concepts including NFT, UAT, automation frameworks, training for ISEB or ISTQB qualification

- **PYTHON:**
  Learning to develop and test with Python and Django framework

- **CLOUD & DEVOPS:**
  Bash scripting, Linux, Cloud Networking, and Containerisation

- **ADVANCED FRONT-END:**
  Including UI/UX and advanced front-end framework learning

- **AGILE/ SCRUM:**
  Learning agile with Scrum framework, training for the ScrumMaster® certification

_nologists from this course can fill roles including:

FULL-STACK DEVELOPER   **FRONT-END DEVELOPER**

CLOUD ENGINEER

DEVOPS ENGINEER   **JAVASCRIPT DEVELOPER**

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The _nology curriculum focuses on key practices and methodologies that are hard to learn. _nology gives them a deep understanding of new methods and practices that they can evangelise from their first day in our organisation. They come ready armed, having only ever learned best practices rather than having to break old habits

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Helen Tippell,
CIB CTO, Deutsche Bank

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