**WHAT IS CLOUD COMPUTING?**

Today, all companies are adopting cloud computing to enable their digital transformation. The cloud tech services market is projected to grow 17.3% ($206 billion) in 2019. The growth of this technology has created incredible demand for Cloud computing jobs, from Cloud developers and Cloud DevOps roles to more specialized roles such as solutions architects and Cloud security engineers. Regardless of the role, Cloud computing skills are a high demand and have the potential to impact almost every industry.

**CLOUD SERVICES**

Cloud services such as Amazon Web Services (AWS), Microsoft Azure, and Google Cloud appeal to many organizations because of features such as pay-per-use, ability to scale up or down based on usage, self-service, and more. All these benefits lead to much lower costs, faster time-to-market and better service quality compared with traditional methods.

**WHICH CLOUD SERVICE PROVIDERS OCCUPIED THE LARGEST MARKET SHARE IN 2019?**

- **AWS**: 31.7%
- **Azure**: 16.8%
- **Google Cloud**: 8.5%

**WHERE IS DEMAND FOR CLOUD JOBS?**

<table>
<thead>
<tr>
<th>Location</th>
<th>Jobs Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japan</td>
<td>5,000 jobs</td>
</tr>
<tr>
<td>Canada</td>
<td>5,000 jobs</td>
</tr>
<tr>
<td>Australia</td>
<td>4,000 jobs</td>
</tr>
<tr>
<td>France</td>
<td>4,000 jobs</td>
</tr>
<tr>
<td>Singapore</td>
<td>2,000 jobs</td>
</tr>
<tr>
<td>Italy</td>
<td>1,500 jobs</td>
</tr>
<tr>
<td>UK</td>
<td>13,000 jobs</td>
</tr>
<tr>
<td>Germany</td>
<td>10,000 jobs</td>
</tr>
</tbody>
</table>

**CLOUD COMPUTING JOB PROFILES**

### Cloud Computing Jobs

**Required Skills**

1. Programming Language (i.e. Python)
2. Infrastructure as Code
3. CI/CD Tools (e.g. Jenkins)
4. Automation & Orchestration (e.g. Kubernetes)
5. IT Governance

**Job Duties**

1. Building and scaling services in a cloud.
2. Configuring management.
3. Building automated systems/infrastructure, and develop pipelines to make remote updates to software eliminating any effort for users.

**Cloud DevOps Engineer**

**Required Skills**

1. Programming Language (i.e. Python)
2. Infrastructure as Code
3. CI/CD Tools (Jenkins)
4. Monitor Software & Infrastructure
5. Orchestration (i.e. Kubernetes)
6. Infrastructure Automation (i.e. Ansible)

**Job Duties**

1. Designing and developing secure, available and maintainable applications and products.
2. Developing and delivering continuous deployment and testing for deployment and maintenance.
3. Defining and documenting best practices and strategies regarding application deployment and infrastructure maintenance.

**Cloud Developer**

**Required Skills**

1. OS Concepts (e.g. Linux)
2. Networking, Storage & Security Fundamentals
3. Application and Infrastructure Architecture & Design principles
4. Automation & Orchestration
5. IT Governance

**Job Duties**

1. Delivering solution architecture to engineering teams, communicating their value to ensure good implementation.
2. Offering guidance in infrastructure movement techniques, such as bulk application transfers into the Cloud (lift or shift, or adopting cloud-native approach).
3. Driving experiments to evaluate new technologies and methodologies to accelerate project delivery.

**Cloud Solutions Architect**

**Required Skills**

1. Infrastructure as Code
2. Networking, Storage & Security Fundamentals
3. Application and Infrastructure Architecture & Design principles
4. Automation & Orchestration
5. IT Governance

**Job Duties**

1. Building application architectures on engineering teams, communicating their value to ensure good implementation.
2. Developing and deploying infrastructure changes to deliver remote updates to software eliminating any effort for users.
3. Devising experiments to evaluate new technologies and methodologies to accelerate project delivery.

**Cloud Services**

**Required Skills**

1. Programming Language (i.e. Python)
2. Infrastructure as Code
3. CI/CD Tools (Jenkins)
4. Application and Infrastructure Architecture & Design principles
5. Automation & Orchestration
6. IT Governance

**Job Duties**

1.7. Building and scaling services in a cloud.
2. Configuring management.
3. Building automated systems/infrastructure, and develop pipelines to make remote updates to software eliminating any effort for users.

**Cloud DevOps Engineer**

**Required Skills**

1. Programming Language (i.e. Python)
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