



Cloud Architect

WHAT DOES A CLOUD ARCHITECT DO?

A Cloud Architect is responsible for converting the technical requirements of a project into the architecture and design that will guide the final product. Often, Cloud Architects are also responsible for bridging the gaps between complex business problems and solutions in the cloud. Other members of a technology team, including DevOps engineers and developers, work with the Cloud Architect to ensure that the right technology or technologies are being built.

Day-to-Day Expectations and Responsibilities

 **Automate infrastructure and build pipelines** for continuous integration and continuous deployment

 **Stay abreast of industry trends,** emerging technologies, and software development best practices

 **Work with business stakeholders** to translate requirements into application architecture

 **Develop cloud adoption plans,** application design, and deployment mechanisms

Key Traits of Cloud Architects

 **Strategic:** Cloud Architects need to be able to identify fit-for-purpose technologies.

 **Detail-Oriented:** With so many moving parts in the development process, a Cloud Architect must be able to both understand and communicate the nuances of business requirements, functionality, and maintenance requirements.

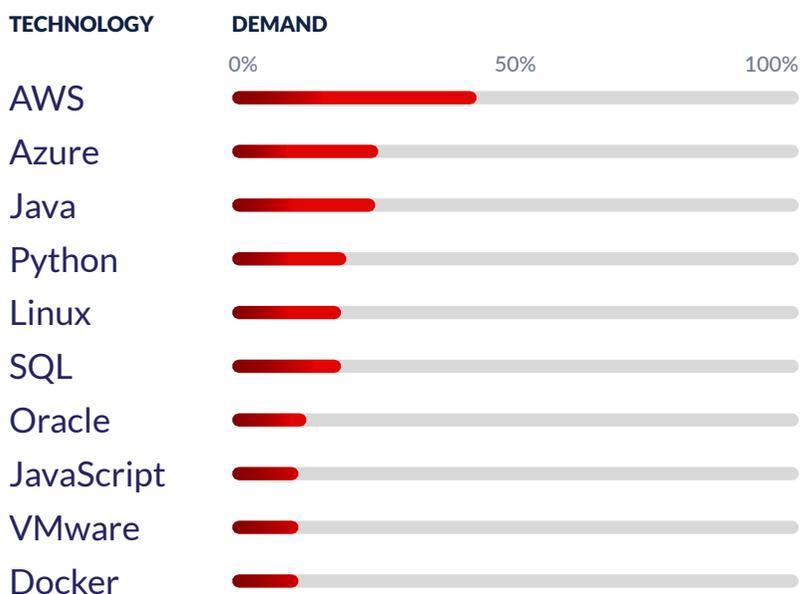
 **Planner:** As project manager, the Cloud Architect must be able to guide the development of a solution from beginning to end, accounting for any roadblocks and complexities.

 **Collaborative:** As the center of the development process, a Cloud Architect must be able to lead and influence stakeholders within the organization.

 **Clarity:** Ability to understand and communicate elegant solutions to complex problems. Cloud Architects must be able to identify patterns.

CLOUD ARCHITECT

Trending Technology Skills for Cloud Architects



*Figures represent the share of all Cloud Architect job postings analyzed that require a given skill. Data as of October 1, 2018. View this week's data [here](#).

[View the Full Index](#)

Cloud Architect Target Skill Set

Technical Skill Set

- ✓ Deep knowledge of cloud platforms and services
- ✓ Deep understanding of software design patterns
- ✓ UNIX and Linux experience
- ✓ Knowledge of DevOps tools and methodologies
- ✓ Knowledge of emerging and existing technologies

Non-Technical Skill Set

- ✓ Ability to communicate risk, reward, and complex concepts to diverse stakeholders
- ✓ Ability to persuade and contextualize
- ✓ Ability to think strategically, develop plans, and coordinate execution

Starter Training Plan for Cloud Architects

The following Cloud Academy courses and training plans prepare professionals for Cloud Architect certification. [Learn More About Training Plans >](#)

Amazon Web Services

[Solutions Architect – Professional Certification Preparation for AWS](#)

[AWS Security Services](#)

[AWS Governance & Compliance](#)

[AWS Cloud Management Tools](#)

Industry Certification(s) for Cloud Architects

After taking courses with Cloud Academy, professionals can be ready to take the following Cloud Architect certifications.

Amazon Web Services

[AWS Certified Solutions Architect - Associate](#)

[AWS Certified Solutions Architect - Professional](#)

Microsoft Azure

[Microsoft 70-535 Exam: Architecting Microsoft Azure Solutions](#)

Google Cloud Platform

[Google Certified Professional Cloud Architect](#)