

## Jobs in Data Centre Planning and Design

In data centres lots of different technologies have to work together – and operate reliably 24 hours a day for every day of the year because they are supporting business critical functions for hundreds, sometimes even thousands, of organisations. They have to be physically secure and cyber secure and they have to be energy and resource efficient. This can't be achieved by throwing everything together in a big shed and hoping for the best. Good design is critical to make sure that the building, the engineering, the networking and the computing work together as a system. Architects then need to create a building to house and support all this complicated activity - and make it look good from the outside. There is actually an annual prize for Most Beautiful Data Centre Design.

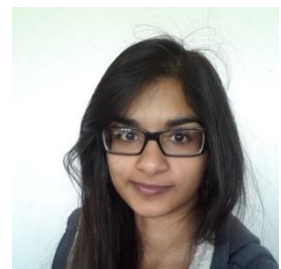


### Sample roles include:

- Planning advisor / consultant / advocate: like other buildings, data centres need planning permission from the local authority before they can be built and this can be a specialised, long, and detailed process.
- Data Centre Design Director: All the different elements must be carefully designed to work together, and it has to be right first time: data centres are expensive and usually built under time pressure.
- Architect: data centres are buildings need to fit in with their surroundings. Although architecture must enable, not restrict the technical functions, data centres can -and do- look very stylish.
- Mechanical Design Engineer/ Consulting Engineer: experienced engineers are needed to design, develop and plan the engineering functions of data centre projects.
- Business transformation lead /planner: Before you design your physical data centre you need to understand your requirements. Will they grow? Which data centre business model best suits?
- Data centre consultancy includes lots of roles from technical advice relating to design, development and implementation to modernisation, migration, consolidation and outsourcing.

### Who works in data centre planning and design?

I'm Mishael Ainsworth and my role is Architectural Visualiser at Future-tech. I come from an architectural background with a year of experience in between my bachelor's and master's degree at an architectural practice that specialised in residential work. I've worked at Future-tech for 2 years and I'm now working in the architectural side of the company. My role mainly consists of master planning new projects, designing office areas for data centres, and creating rendered images of the projects.



I'm Jordan Galloway and I have always enjoyed architecture, design and problem solving, this led me to study Building Design Engineering with Environmental Engineering. Today I am an Associate and specialist in data centre cooling technologies working for Future-tech. Where I have designed, overseen installation, tested, commissioned, and optimised a vast array of solutions for the ever-changing industry. My focus is on energy efficiency, ease of operation and acting as a liaison between clients and the engineering team.

