

## Labour Party Job Description

<b>Job Title:</b>	Infrastructure Architect
<b>Responsible to:</b>	Senior Lead, Engineering
<b>Location:</b>	Head Office – London, Head Office – Newcastle or remote in the UK
<b>Key Purpose:</b>	Design, implement and maintain the party's cloud infrastructure, ensuring scalability, security, and reliability of mission-critical campaign systems. Be part of strategic decision-making for infrastructure that supports 10,000s of daily users and handles peak election-day demands.

### Digital innovation at Labour

The Labour Party is working to deliver change and build a new Britain - one of security, prosperity and respect for all. We do this by winning elections at all levels across the country.

The party's technology is at the core of that mission, and is integral to how we understand the public, run campaigns, measure impact, work together and win.

### This role

We're looking for an experienced Infrastructure Architect to help us maintain the digital infrastructure underpinning the way we campaign. You can be based anywhere in the UK, but may need to travel occasionally to one of our Head Offices in London or Newcastle.

You will work at the heart of the Labour Party, ensuring the secure operation of our first-party applications securely, which range from a bespoke CRM that activists use to organise events, send emails and mobilise members; to the voter contact web apps that we used to contact over a million voters on a single day on July 4. The work you will do will have a direct impact, changing politics – and with it, the UK – for the better.

### Specific responsibilities

1. Design and implement cloud infrastructure across leading cloud platforms such as AWS, with particular focus on security, scalability, and cost optimisation.
2. Develop and maintain high-availability infrastructure capable of supporting critical campaign operations, especially during peak election periods.
3. Design and implement robust networking architectures using VPCs, bastion hosts, and advanced security measures to safeguard sensitive campaign assets and data.
4. Oversee database infrastructure including AWS Relational Database Services, ElastiCache and others.
5. Create and maintain infrastructure-as-code templates and documentation for production environments.
6. Collaborate with the engineering team to establish best practices for cloud resource management, including cost optimisation strategies and resource allocation policies.

## The Labour Party

7. Work closely with the in-house engineering team and external development teams to design and implement suitable CI/CD pipelines and deployment strategies.
8. Contribute architectural expertise to infrastructure planning and technical decision-making processes.
9. Support relationships with cloud service providers and other technical partners.
10. Fulfil any reasonable task as set out by the Senior Lead, Engineering.

## Labour Party Person Specification

### Values

- A commitment to the Labour Party's codes of conduct, mission and values, as set out in its constitutional documents.
- Strong personal commitment to equality, diversity, and inclusion.
- Highly collaborative behaviour, able to build strong working relationships internally and externally in a complex stakeholder environment.
- Ability to work consistently to high professional standards including to accuracy, honesty, quality, and evidence.
- Commitment to a positive learning culture of feedback and continuous improvement.
- Creative and open to new ways of working including digital transformation, participatory methods and co-creation of solutions with those most affected.

### Technical Skills & Knowledge

- Expert-level understanding of cloud platforms, particularly AWS services and architecture patterns, with strong knowledge of VPCs, RDS, and ElastiCache
- Deep knowledge of infrastructure security best practices and compliance requirements
- Proven ability in designing high-availability systems and disaster recovery strategies
- Excellence in technical collaboration and consensus-building
- Strong architectural design and systems thinking capabilities, with proven ability to balance technical requirements with business needs
- Excellent documentation and technical communication skills

### Experience

#### *Essential:*

- Proven experience managing large-scale production environments that have successfully supported thousands of daily users
- Demonstrated success in designing and implementing high-availability infrastructure for critical events like election day
- Track record of quick adaptation to new technologies and successful implementation in production environments
- Experience with AWS services including VPC, RDS, ElastiCache, and cost management tools
- Experience contributing to strategic technical decision-making processes

#### *Desirable:*

- Experience with multiple cloud platforms (Azure, GCP)
- Experience with PaaS solutions such as Heroku or Render
- Background working with political campaigns or membership organisations
- Experience with infrastructure automation and Infrastructure as Code