

VACANCY ADVERTISEMENT

The Consortium of European Social Science Data Archives (CESSDA) is a pan-European distributed research infrastructure that provides large scale, integrated and sustainable data services to the social sciences. CESSDA has evolved from a network of European data service providers into a legal entity and large-scale infrastructure under the auspices of the European Strategy Forum on Research Infrastructures (ESFRI) Roadmap in June 2013. Since then, CESSDA has been organised as a limited company under Norwegian law. CESSDA is working to define and extend the frontiers in this rapidly expanding field. The Main Office is located in Bergen, Norway, and coordinates the cooperation between Data Service Providers from the European countries which currently participate, and any which join in the future.

CESSDA is now seeking to recruit a

Technical Officer (DevOps), CESSDA AS

Job description:

Job title	Technical Officer
Contract	Permanent
Hours	37,5 hours per week
Salary	NOK 350,000 to NOK 450,000 per annum
Responsible to	Chief Technical Officer of CESSDA
Report on a day to day basis to	Chief Technical Officer of CESSDA
Purpose of the job	To provide a highly productive development, test and production environment as well as maintaining, supporting and documenting the infrastructure for CESSDA

Principal duties or key objectives

- Build, maintain, support and document the infrastructure that supports our applications
- Test our high availability in a controlled environment
- Create and maintain operational requirements and standards for our infrastructure and applications
- Cloud-based infrastructure provision and management (Google, AWS ...)
- Configure and manage Continuous Integration (CI) and Delivery environment (Bitbucket, Jenkins)

- Perform continuous testing (executing automated testing) – Using CESSDA Technical Framework
- Backup, retention and DR management
- Performance and availability management
- Communicate and follow-up as appropriate to ensure that problems get solved
- Implement tools for increased productivity, security, reliability and performance
- Assess and measure the maturity level software based on the CESSDA's Software Maturity Level matrix
- Create web applications from start to finish
- On-call availability

Experience/knowledge

Essential:

- Minimum of 2 years of experience in a DevOps role
- BS Degree in Information Technology, Computer Science, Engineering, or equivalent experience
- Develop, support and document automated build and configuration management processes
- Strong experience in Linux Systems Administration and troubleshooting Experience with Cloud Technologies (AWS, Azure, Google...)
- Experience with configuration management
- Management of Continuous Integration (CI) servers like Jenkins
- Understanding and experience with code development and Microservices
- Working knowledge and experience of networking
- Hands on experience conceiving and executing automated test strategies
- Technical Testing experience, preferably including Automation with the ability to create test automation frameworks using open source technologies
- Experience integrating tests and documentation with a continuous integration server
- An understanding of security fundamentals

Desirable:

- MSc Degree in Information Technology, Computer Science, or Engineering
- Analyse application characteristics and behavior, to optimise performance of operational systems
- Proven Software Development work experience using modern languages (Java, Python, C#, C++ JavaScript experience preferred)
- Experience with the full SDLC and shipping software using Agile
- Design, develop, debug and modifies components of software applications and tools
- Good understanding of relational databases such as MS SQL Server or MySQL
- Understanding of ITIL “best practices”
- Experience working with containers (Docker)
- Windows and/or Linux certifications
- Experience with the performance tuning and tools to support it
- Experience in data analysis i.e. descriptive statistics



Skills/abilities

cessda

Consortium of
European Social Science
Data Archives

Essential:

- Strong communication skills
- Effective interpersonal skills with the ability to build strong working relationships
- Excellent time-management skills
- A pro-active approach to work
- Able to travel when required
- Ability to produce written reports and documentation for a variety of audiences
- Fluent written and spoken English

Desirable:

- Strong troubleshooting, analytical and problem solving skills with a high attention to detail
- An ability to learn new technologies
- Team player
- Flexible approach to working, including on-call responsibilities
- Self-motivated with the ability to plan contingencies and think strategically
- Good critical and analysis skills
- Ability to communicate with social science researchers

Practical information

- The Technical Officer will be based at the main office in Bergen (<http://www.visitbergen.com/en/>)
- CESSDA's working language is English
- Salary to be negotiated within the range dependent on qualification and experience
- Social security/benefits according to Norwegian regulations

Application process

To submit an application, please send an application letter that describes your qualifications, experience, and specific outlook for the post. Please send this, two formal letters of reference, a CV including a list of recent relevant information and other relevant materials in a single PDF to cessda@cessda.net.

The closing date for applications is **30 November 2016**.

Short-listed candidates should be prepared to participate in an interview in Bergen, Norway. If this is not possible, the interview will be held online. Expected start: as soon as possible early 2017.

For further information

Administrative Secretary, Nina Bakanova, email: nina.bakanova@cessda.net, phone: +47 55 58 36 48.