

JOB TYPE: Systems developer

- Job title
 - Systems developer
- Organization
 - Example Research Centre (ERC), Department of Advanced Computing
- Country
 - Switzerland
- Job field
 - Systems development and administration in HPC technologies and services
- Career level
 - Technical staff
- Contract type
 - Post is available from January 1st 2017. Employment via 3 year full time contract with 6 month probationary period. Normal working time is 40 hours per week, flexible working hours are possible. Staff is entitled to 24 days annual leave.
- Salary level
 - Projected starting salary is 30,000 EUR after taxes and health/social insurance contributions.
- Required education or background
 - Bachelor degree or Level VI/1 KLASIUS or ISCED level 6 diploma in computer science, or documented background in systems administration in HPC technologies and services, virtualisation, cloud computing and data intensive computing.
- Required skills and certifications
 - Technical expertise in systems administration of Linux based systems.
 - Experience in one or several of the following: HPC technologies and services, virtualisation, cloud computing.
 - Analytical and technical problem solving skills.
 - Excellent awareness of emerging technologies and trends in advanced computing
 - Desire to learn new skills.
 - Software development skills in Perl, Python and Java.
 - Ability to work autonomously, planning and organising own work activities with minimal supervision.
 - Well-developed communication and coordination skills in a multicultural environment.
 - Excellent command of English (IRL level 4) required. Working knowledge of German or French language (IRL level 2) is an advantage.
 - MCSE: Private Cloud, Citrix CCP-V, Cisco Data Center Unified Computing Design/Support Specialist certification is ideal but not mandatory.
- Job description
 - You will have the opportunity to work at a world-renowned leader in advanced computing based in Geneva, use state-of-the-art equipment to develop cutting edge solutions and meet Europe's top scientists in the field of High Performance Computing. We offer excellent working conditions and great opportunities for professional advancement and training.
 - Systems developer's main responsibilities will include the development, implementation and support of bespoke and novel advanced computing services

involving the use of High Performance Computing (HPC), virtualisation and cloud technologies for inter-organisational projects.

- Other responsibilities will include development of documentation for the new services, preparation of training materials for specialist and non-specialist users and training of staff and end users.
- Your main contacts and relationships within the scope of work will include internal staff and end users at partner organisations, which include universities and research centres.
- Planning and organising responsibilities involve overseeing of implementation of technical services with internal staff and external partners and supervision of junior technical staff to ensure project objectives are met.
- Problem solving and decision making: you will be required to act as an autonomous technical specialist and source of expertise in the field of virtualisation and cloud technologies. You will be required to provide and justify proposals for technical solutions through independent research, then develop and implement them.
- Work involves approximately 2 months of travel annually, within Europe.
- Work will require meeting predefined quality, cost and time targets, under the direction of your manager.
- Division of responsibilities (approximate):
 - 80%: novel and advanced computing service development and operation.
 - 20%: training staff and end users
- Application procedure
 - Further job vacancy details and application procedure are available at <http://example-link.org>
- Deadline for application
 - We are accepting applications by December 1st 2016
- Key words
 - system administrator, technical specialist, advanced computing, HPC, virtualisation, development, programming, user support, Perl, Java, Python, cloud technologies