



Training Opportunity for Polish National Trainees

Reference	Title	Duty Station
PL-2023-HRE-OE	ISS Payload Data Processing	EAC, Cologne
Overview of the missio	<u>n</u> :	
Europe's participation in Space Station. The goal space exploration, delive compelling vision of glob The teams in the Directo states and cover a variet You will be part of a team ground-based) of the Inte supports other missions example the Gateway pr In preparation for the cor to deploy an updated part	ning years of ISS operations, the Engi yload data processing and routing syst new system will streamline utilisation o	re, such as the International 's central role in global d science and offer a spiring the next generations. from all ESA's member ds engineering and science. infrastructure (on-orbit and ngineering Team also ploration endeavours, for ineering Team is preparing tem on-board ESA's
Overview of the field of	· · ·	
As a Polish National Trai operations of the Columb you will support the softw development is being ca this approach ESA is pla industry are extensively computing. Depending o	inee, you will support the development bus Data Management Infrastructure (i vare development aspects of the CDM rried in a 'hybrid manner' between ES/ ying a more active role in certain aspe utilising resources provided by ESA, so n your particular technical competenci development through the following activ	CDMI) system. In particular, II project. Software A and industry. As part of ects of development and uch as private cloud ies and interests you will
 cloud resources t Integration of dev such as Zabbix 	e deployment of software development using modern tools such as Ansible an veloped software components with cen tenance and development of CDMI's s	nd/or Terraform htralised monitoring tools

Implementation and maintenance of certain Continuous Integration/Continuous Deployment (CI/CD) automation pipelines using GitLab CI

European Space Agency Agence spatiale européenne Z komentarzem [FP1]: Repetition of first paragraph?



- Specification, development and implementation of software Application Programming Interface (API) tests
- Support the administration of the network infrastructure required to support CDMI software development activities
- Participation in CDMI code reviews
- Small scale research, definition, implementation and testing of CDMI software functions
- Review and contribution to CDMI user documentation
- Refinement and collection of further stakeholder inputs for existing CDMI use cases

Required education and skills:

- Fluent spoken and written English language proficiency.
- Experience in the design and use of computer networks and IP-based communication protocols
- Experience in the configuration and use of Linux operating systems
- Experience in computer programming with languages such as Python or Rust

Desired/optional skills:

- Experience with software solutions such as Ansible, Zabbix and/or Terraform
- Experience with modern DevOps (or DevSecOps) practices
- Experience working with customers to define and refine requirements
- Experience in the authoring and review of precise technical documentation