Alipasha Jamalli

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Gender: Male   **Date of birth:** 13/09/1990   **Nationality:** Azerbaijani

WORK EXPERIENCE

[01/2020 – Current]   **Spacecraft Controller**

Serco Services GmbH (at Eumetsat)

Address: Darmstadt, Germany
Main activities and responsibilities:
- Operating on a 24/7 shift basis all or part of the mission control system, which includes parts of the ground segment (using tools: OP5, GEMS, SMART, Chronops, SPLUNK) as well as the space segment using **SCOS 2K** control system (for Sentinel 6 mission);
- Assisting in configuring and testing the operational system to support the operations;
- Taking corrective action as necessary in case of ground or space segment anomaly, applying the contingency/emergency procedures approved for the mission to ensure spacecraft safety and the continuity of service provision to users;
- Participating in other operations-related activities (small system development, procedures development, DB update using Dabys tool or maintenance etc.) upon request of the Team Leader.

[11/2016 – 01/2020]   **Spacecraft Operations Engineer**

Azercosmos OJSCo   www.azercosmos.az

Address: Baku, Azerbaijan
Main activities and responsibilities:
- Professional experience in leading of LEO satellite (Spot7: AIRBUS`s AS250) operations: Routine Satellite and Ground operations, Mission plan upload, PUS services, Ground System and On-Board Anomalies, On-Board Position Scheduling, FDIR 2, 3, and 4 recovery
- Professional experience in the operations preparation and routine and contingency operations for Azerspace2 (GEO mission)
- Provision of support to the development and operations preparation, participation in System Validation Tests for Azerspace 2 (GEO mission)
- Professional experience with GMV's HIFLY TT&C (based on SCOS-2000), Kratos's EPOCH and Airbus's OPEN CENTER TT&C (based on SCOS-2000), SatSim simulator, Database, Paveo, Mosaic for managing the Control Ground Segment system and satellite configuration, QUARTZ LEO FDS and FOCUSGEO GEO FDS
- Implementation modifications and correction of the operational database, analyze database inputs provided by manufacturer companies
- Deep knowledge of satellite (LEO and GEO) platform systems: Attitude Control, Electrical Power, Telecommand & Ranging, Propulsion, and Thermal subsystems
- General knowledge of satellite Payload (LEO and GEO)
- Provide support to Satellite Systems and Ground Validation Tests.
- Developing software applications and tools
- Analyze and trend satellite platform subsystems performance
- Experience in Elisa, C, C++, Matlab, Visual Basic, and Python scripting language
- Creation, test, and validation of reports, spacecraft scripts, and mission procedures

- Investigation of anomalies: FDIR recovery and maneuvers
- Responsible for satellite platform subsystems (EPS, ACOS, TCR, CDH, PSS, TCS) health analysis, proper implementation of operational procedures, E.g. Star tracker Memory patch, LOS modification, CORECI equalization coefficients, DoD reset, Ciphering Keys, Transition from 4 to 6 visibilities, Collision Avoidance Manoeuvres, Propellant Accounting Parameters
- Preparation and maintenance of operational configurations and procedures for spacecraft routine, contingency, and special operations
- Provide 24-hour basis operational support of in-orbit satellites during the execution of mission activities
- Satellite (LEO) Systems Procurement Support
- Scheduling and managing operational activities properly
- Working in the Satellite Operations team and reporting to the Satellite Operations Manager
- Review of documents from manufacturers and validation and optimization of flight procedures using simulators
- Participation in Operational and Technical Qualification Tests, System Validation Tests for SPOT7/Azersky and Azerspace2

[04/2012 – 09/2014] **Flight Dynamics and Operations Engineer**

Azercosmos OJSCo www.azercosmos.az

Address: Baku, Azerbaijan

Main activities and responsibilities:
- 2.5 years of experience in supporting controllers during flight dynamics and platform subsystems
- (EPS, TCS, AOCS, PSS) operations of GEO (Africasat 1A/ Azerspace1: Orbital ATK Star-2) satellite
- Responsible for routine and contingency Flight Dynamics and platform subsystems operations including spacecraft orbit determination and prediction, NSSK and EWSK manoeuvre planning and execution, post manoeuvre evaluation, eclipse operations, performing Life Predictions
- Responsible for platform subsystems health performance analysis and proper implementation of operational procedures
- Professional experience with GMV's HIFLY TT&C Dynamic Satellite Simulator, Database and FOCUSGEO FDS
- Preparation and update of operational configuration, tools, and procedures for spacecraft
- Provide 24-hour operational support of in-orbit satellites during the execution of mission activities, E.g. manoeuvres, eclipse operations
- Planning and related implementation of collision avoidance manoeuvres as well as support to contingency operations
- Creation tools to calculate and analyze satellite data
- Creation, testing, and validation of operational procedures

EDUCATION

[09/2014 – 11/2017] **MSc Degree in Robotics, Autonomous and Interactive Systems with specialism in Autonomous Robotics**

HERIOT-WATT UNIVERSITY

Address: Edinburgh, United Kingdom

[09/2007 – 01/2011] **BSc in Petroleum Engineering and Management (Honor Diploma)**

Khazar University

Address: Baku, Azerbaijan

LANGUAGE SKILLS

Mother tongue(s): Azerbaijani

Other language(s):

English

LISTENING B2 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Turkish

LISTENING C2 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

Russian

LISTENING A2 **READING** A2 **WRITING** A2

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

German

LISTENING A1 **READING** A1 **WRITING** A1

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

JOB-RELATED SKILLS

- Experience in mission control system SCOS 2000, Elisa, C, C++, Matlab, Visual Basic and Python scripting language

- Dabys tool experience for DB update

- Experience in leading a team of 6 people
- Communication skills developed by working with team members and industrial companies: Airbus DS, Orbital ATK, GMV.

WORK PERMIT

- I have a valid residence and work permit for Germany.