NOTIFICATION OF PERSONNEL ACTION

1. Name (Last, First, Middle)	2. Social Security Number	3. Date of Birth	4. Effective Date
ELEZ, MARKO	▮▮▮▮▮▮		02/12/2025

FIRST ACTION

5–A. Code	5–B. Nature of Action
190	PROVISIONAL APPT NTE 06/11/25
5–C. Code	5–D. Legal Authority
Y7M	SCH C 213.33XX
5–E. Code	5–F. Legal Authority

SECOND ACTION

6–A. Code	6–B. Nature of Action
6–C. Code	6–D. Legal Authority
6–E. Code	6–F. Legal Authority

7. FROM: Position Title and Number	15. TO: Position Title and Number
	POLICY ADVISOR 66899208 C25025

8. Pay Plan	9. Occ. Code	10. Grade or Level	11. Step or Rate	12. Total Salary	13. Pay Basis	16. Pay Plan	17. Occ. Code	18. Grade or Level	19. Step or Rate	20. Total Salary/Award	21. Pay Basis
						GS	0301	11	01	84,601.00	PA

12A. Basic Pay	12B. Locality Adj.	12C. Adj. Basic Pay	12D. Other Pay	20A. Basic Pay	20B. Locality Adj.	20C. Adj. Basic Pay	20D. Other Pay
	.00		.00	63,163.00	21,438.00	84,601.00	.00

14. Name and Location of Position's Organization	22. Name and Location of Position's Organization
	OFFICE OF THE SECRETARY DL SO0000000000000000 PP 04 2025

EMPLOYEE DATA

23. Veterans Preference		24. Tenure	25. Agency Use	26. Veterans Preference for RIF
1	1 – None 3 – 10–Point/Disability 5 – 10–Point/Other 2 – 5–Point 4 – 10–Point/Compensable 6 – 10–Point/Compensable/30%	0 0 – None 2 – Conditional 1 – Permanent 3 – Indefinite		YES [X] NO

27. FEGLI	28. Annuitant Indicator	29. Pay Rate Determinant
▮▮▮▮▮▮	9 NOT APPLICABLE	0 NOT APPLICABLE

30. Retirement Plan	31. Service Comp. Date (Leave)	32. Work Schedule	33. Part–Time Hours Per Biweekly Pay Period
KF FERS (FRAE)	02/12/2025	F FULL TIME	

POSITION DATA

34. Position Occupied	35. FLSA Category	36. Appropriation Code	37. Bargaining Unit Status
2 1 – Competitive Service 3 – SES General 2 – Excepted Service 4 – SES Career Reserved	E E – Exempt N – Nonexempt		8888

38. Duty Station Code	39. Duty Station (City – County – State or Overseas Location)
11-0010-001	WASHINGTON DIST OF COLUMBIA DC

40. Agency Data	41.	42.	43.	44.

45. Remarks

REGULAR TOUR OF DUTY ESTABLISHED; ELIGIBLE FOR ANNUAL AND SICK
LEAVE ACCRUAL.
SERVES AT THE PLEASURE OF THE SECRETARY.
THIS POSITION IS OUTSIDE THE BARGAINING UNIT.
APPT IS ON A PROVISIONAL BASIS. YOU ARE ELIGIBLE FOR RETIREMENT COVERAGE &
FOR FEHB AND FEGLI. IF YOUR PERFORMANCE IS SATISFACTORY, & YOU MEET ALL
LEGAL QUALIFICATIONS & OTHER APPLICABLE REQMTS, YOU MAY BE CONVERTED TO A
NONTEMP APPT BEFORE THIS APPT EXPIRES.
APPOINTMENT AFFIDAVIT EXECUTED 2/12/2025
PREVIOUS RETIREMENT COVERAGE: NEVER COVERED
EMPLOYEE IS AUTOMATICALLY COVERED UNDER FERS, FERS-RAE OR FERS-FRAE.

46. Employing Department or Agency	50. Signature/Authentication and Title of Approving Official
DEPARTMENT OF LABOR	ELECTRONICALLY SIGNED BY:

47. Agency Code	48. Personnel Office ID	49. Approval Date	
DLAA	1193	02/11/2025	TANIA BURKLEY PERSONNEL OFFICER

DOL-25-0572-A-000015

Marko Elez

Experience

X, Senior Software Engineer (search AI) — Feb 2024 - Feb 2025 (on leave)
- Helped design and implement an AI generated trends pipeline, released to millions of users. Rewrote build/deploy infrastructure, reworked dependency management, setup end-to-end eval suite, enabled 10x improvement in iteration speed decoupled from legacy Twitter stack.
- Wrote article summarization system processing all external links posted to the X platform, using Grok to interpret and summarize unstructured web content.
- Wrote feature enabling LLM-based contextual post analysis with dynamic multi-source (web, X post/trends embedding search, etc.) information retrieval.
- Plugged into the recommendation systems team, reworked reply-ranker training data generation pipeline and shipped new ranker model to production in a couple of days.
- Added support for training Twitter ML models on xAI training stack to speed up iteration.
- Setup new monorepo for AI applications, wrote build/deploy tooling, shared libraries, CI/CD pipelines, metrics/alerting integrations, etc. to replace legacy Twitter tooling and enable extremely fast iteration (Python, Rust, docker, kubernetes, argoCD).

xAI, Software Engineer (contractor, applied team) — Feb 2024 - Apr 2024, Aug 2024 - Oct 2024
- Co-wrote new Grok inference backend, improving response latency, integration with X data sources, iteration speed.
- Setup E2E continuous evaluation pipeline for Grok backend, setup daily X user interaction data exports, setup human and LLM-based labeling pipeline.
- Integrated embedding-based search for X AI generated trends into Grok search backend (Rust).

SpaceX, Software Engineer II (Starlink satellite software) — Sep 2022 - Dec 2023
- Took ownership of the (satellite, gateway, wifi-router, user-terminal) software update pipeline, participating in weekly pre-release data reviews and owning all feature development and issue triage in this space.
- Wrote system designed to allow users to rollout arbitrary feature flags (include new software versions) to subsets of the Starlink hardware fleet in a scalable and performant way (C++).
- Implemented software update artifact edge-caching at point-of-presence data-centers around the world. (nginx, istio).
- Implemented software update hardware-in-the-loop tests for new satellite hardware configurations (V2 mini/full, direct-to-cell) (Python).
- Led integration of new JSpOC orbital trajectory data source into satellite collision avoidance pipeline, added support for multi-region parallel processing and upload (Python, C++, kubernetes).

SpaceX, Software Engineer II (Starship software) — Aug 2021 - Sep 2022
- Led implementation of lot/serial-traced MES systems for starship heat tile factory, raptor tube production lines, starship AVI box production lines, and others. Integrated with automation (MQTT), resulted in significant increase in planning/execution efficiency and quality control. Designed event-based inventory system and reporting solution. (C#, Angular).
- Led implementation of CI/CD infrastructure for event-based platform consisting of dockerized microservices deployed to kubernetes clusters (using helm charts) with synchronous (gRPC) and asynchronous (kafka) communication.
- Wrote realtime location tracking and visualization software for assets tagged with WiFi trackers at Starbase launch facility.

SpaceX, Software Engineer I (vehicle software) — Oct 2020 - Aug 2021
- Responsible engineer for SpaceX's distributed telemetry datastore which processes 30+ TB of rocket/satellite/testbed data per day and stores it across a pool of dedicated servers for analysis (C++, Python, Go).
- Significantly improved ingestion rates, setup onsite cold-storage array, reduced and automated alerts, sped up deployments, scaled out hot storage pool, setup dedicated influxdb instance for metrics and alerting, led migration to CentOS hardware.
- Provided regular support during crewed and uncrewed missions (F9/Starship launches, satellite deployments).

Amazon, Software Engineering Intern — May 2020 - Aug 2020
- Wrote a self-service API designed to allow operations controllers around the United States to modify region-specific algorithm configurations in order to evaluate and optimize delivery routing protocols (Java, AWS).
- Designed a highly available versioning system for regional S3 configurations coupled with a request audit history system using DynamoDB.

Education

Rutgers University
- Bachelor of Science (B.S.) in Computer Science
- Graduated a year early. Started working full-time at SpaceX during my second year and finished my degree concurrently.