

Job Title: Senior IBM z/OS System Programmer
Location: In Office based in Prague
Team: R&D - IBM Mainframe Team
English: B2+

1touch.io is the market leader in AI-ready data and sensitive data intelligence. We help global enterprises automatically identify, map, and protect sensitive data across structured and unstructured systems. By combining AI, automation, and deep data visibility, we solve the most complex challenges in privacy, security, and governance.

We serve marquee customers, including American Express, Cigna, Northwest Mutual, and the Spanish Tax Authority. Our strategic reach extends through powerful OEM partnerships with industry giants like IBM and comfote. Following strong growth in 2024 and 2025, we are entering a phase of hyper-acceleration.

We are looking for a Senior IBM z/OS System Programmer to provide end-to-end technical ownership of the z/OS environment.

This role combines system programming, platform engineering, and advanced operations, with strong emphasis on development enablement, environment standardization, automation, and recoverability.

Responsibilities

- z/OS Base System Programming
 - Install, customize, maintain, and diagnose the z/OS operating system, ensuring system availability, integrity, and recoverability
 - Apply system and product maintenance using SMP/E
 - Own system definitions, parameters, and operational configuration
 - Maintain authoritative system documentation, standards, and runbooks
- Environment ownership
 - Application Developer Controlled Distribution (ADCD)
 - Deploy, customize, and maintain ADCD-based z/OS systems as the configuration baseline
 - Enable and maintain Db2 for z/OS and IMS DBs
 - Ensure system consistency, catalog integrity, and controlled configuration changes
 - z/PDT
 - Install, configure, and operate z/PDT-based z/OS systems
 - Allocate and manage DASD storage, TCP/IP, VTAM, FTP, SSH, and other required z/OS services
 - Maintain stable, reproducible DEV, QA, and UAT images aligned with ADCD standards
 - Diagnose and resolve system- and environment-level issues, including startup, configuration, catalog, and subsystem-related problems
- Subsystem System Programming
 - Install, customize, operate, and maintain:
 - Db2 for z/OS

- IMS
 - Define subsystem parameters, catalogs, control regions, and startup procedures
 - Apply subsystem maintenance and upgrades
 - Diagnose and resolve subsystem-level issues affecting system stability
- External Security Managers (ESM)
 - Design, configure, and maintain External Security Managers:
 - RACF
 - Top Secret
 - ACF2
 - Manage dataset, program, and resource protection
 - Define and maintain user, group, and role structures
 - Troubleshoot authorisation and access issues
 - Ensure security configuration aligns with platform standards and compliance needs
- Catalog & Alias Management
 - Own z/OS catalog architecture and integrity
 - Create, maintain, and clean master catalogs, user catalogs, and aliases
 - Define and enforce catalog and alias standards aligned with HLQ structures. Ensure catalog consistency.
 - Diagnose and resolve allocation, resolution, and catalog-related issues
- Backup, Restore & Recoverability
 - Design and operate backup and restore processes for:
 - z/OS system datasets
 - VSAM, QSAM, PS(E), PDS(E), UNIX datasets
 - Db2 for z/OS and IMS data
 - Execute system, dataset, and database recovery procedures
 - Validate recovery readiness through periodic testing
- Consulting & Development Enablement
 - Consult and support DEV teams during application development
 - Advise on platform constraints, standards, and best practices
 - Support DEV teams with:
 - JCL design
 - Dataset usage
 - Catalogue and alias resolution
 - Execution and scheduling models
 - Review development-related platform changes for stability, security, and performance impact
 - Act as a technical bridge between platform engineering and application development
- Customer Support (pre/post-sales)
 - Provide technical customer support for z/OS-related questions and issues related to the company's product
 - Support pre/post-sales activities, including:
 - Technical discussions and architecture validation
 - Answering customer questions related to z/OS, datasets, security models, and execution flows
 - Assisting with product installation, configuration, and upgrades
 - Analyzing and resolving customer-reported issues related to product functionality on z/OS
 - Act as a technical interface between customers, internal engineering teams, and product teams for z/OS-specific topics

Required Qualifications

- 5-8 years experience as an IBM z/OS System Programmer
- Hands-on experience with:
 - ADCD
 - z/PDT
- Strong expertise in:
 - z/OS system programming
 - SMP/E
 - Catalogs and aliases
 - ESMs administration (RACF, Top Secret, ACF2)
 - VSAM, QSAM, PS(E), PDS(E), UNIX data sets
 - DASD and storage management
 - Backup, restore, and recovery
 - JCL design and automation
- Strong, hands-on practical experience with:
 - Db2 for z/OS
 - IMS
- Strong diagnostic and root-cause analysis skills
- Ability to independently own, secure, automate, and evolve a z/OS platform
- Strong collaboration and consulting skills with development teams and customer representatives

Simplified job posting:

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This role combines system programming, platform engineering, and advanced operations, with strong emphasis on development enablement, environment standardization, automation, and recoverability.

Responsibilities

- Install, configure, maintain, and support z/OS systems, ensuring availability, integrity, and recoverability
- Apply system and product maintenance using SMP/E
- Own system definitions, parameters, configurations, and operational documentation
- Deploy and maintain ADCD-based z/OS environments as configuration baselines
- Install, configure, and operate z/PDT-based z/OS systems, supporting DEV, QA, and UAT environments
- Manage core z/OS services including DASD, TCP/IP, VTAM, FTP, and SSH
- Install, customize, and maintain Db2 for z/OS and IMS, including subsystem configuration and maintenance
- Design and administer External Security Managers (RACF, Top Secret, ACF2), including access controls and troubleshooting
- Own catalog and alias management, ensuring integrity, consistency, and standards compliance
- Design and execute backup, restore, and recovery processes for system, dataset, and database assets
- Diagnose and resolve system-, environment-, and subsystem-level issues
- Partner with development teams on platform standards, JCL, dataset usage, and execution models
- Act as a technical bridge between platform engineering, application teams, and customers
- Provide pre- and post-sales technical support for z/OS-related product installation, configuration, and issue resolution

Required Qualifications

- 5–8 years of experience as an IBM z/OS System Programmer
- Hands-on experience with ADCD and z/PDT
- Strong expertise in:
 - z/OS system programming and SMP/E
 - Catalogs and aliases

- ESM administration (RACF, Top Secret, ACF2)
 - DASD and storage management
 - Backup, restore, and recovery
 - JCL design and automation
 - Practical experience with Db2 for z/OS and IMS
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- Strong troubleshooting, diagnostic, and root-cause analysis skills
 - Ability to independently own and evolve a z/OS platform
 - Strong collaboration and consulting skills with developers and customers