Staff System Development Engineer

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Company: IBM

Location: Bangalore

Category: other-general

Introduction

India Systems Development Lab (ISDL) is part of IBM Systems world-wide technology development lab. Established in 1996, the Lab is headquartered in India's Silicon Valley and startup hub - Bengaluru, with a strong presence in Pune and Hyderabad. Developers at ISDL deliver technology innovations across the entire Systems portfolio - z Systems, Power / OpenPOWER Systems and Storage. The team here works across the entire stack from processor design, firmware, operating system to software defined storage. The lab also focuses on innovations, thanks to the creative energies of the teams. The lab has contributed over 400+ patents in cutting edge technologies and inventions so far.

While computing veers towards cognitive, cloud, mobile, social, and security, the lab has significantly contributed to not just new products focused in these areas, but has also ushered in new development models such as Agile, Design Thinking and DevOps.

Your Role and Responsibilities

Who you are:

We are IBM ZOS (Z Operating System) - IBM zERT Network Analyzer Product team working on Z Enterprise Systems and we build the most secure systems for our Banking and Enterprise customers to deploy their mission critical applications. Also, We provide atmost security and Data management on Z systems. The mission critical applications run on zOS and the IBM zERT Network Analyzer product provides a new plug-in named IBM® zERT Network Analyzer. IBM zERT Network Analyzer is a web-based graphical user interface that

z/OS network security administrators can use to analyze and report on data reported in zERT Summary records.

z/OS V2R3 Communications Server introduced a new feature called z/OS Encryption Readiness Technology (zERT). zERT positions the TCP/IP stack to act as a focal point for collecting and reporting the cryptographic security attributes of IPv4 and IPv6 TCP and Enterprise Extender (EE) connection traffic that is protected using the TLS/SSL, SSH and IPSec cryptographic network security protocols. Connection data is written to z/OS System Management Facility (SMF) in two new SMF type 119 records:

zERT Connection Detail (subtype 11) records are written on a per-connection basis to record the cryptographic protection history of a given TCP or EE connection.
zERT Summary (subtype 12) records are written on a per-security-session basis at the end of each SMF interval to summarize the repeated use of security sessions during the interval.

What you'll do:
To Build the world most secure system via Z systems which helps customers to deploy their application, also provide a platform to deploy Private Cloud, Stand alone systems hosting mission critical application, also to defend againist threats like Cyber Threats, etc and making the enablement experience quicker and easier.

Architect, Design and Develop Features related to IBM Z Network Analyzer

Develop platform management software to enhance user experience

Modenise User interface for a simplified and unified customer experience.

Key skills needed are - Java, Web UI - Javascript, Carbon, Relational database programming skills – SQL, JDBC, JPA.

Database administration skills (Db2 would be ideal).

Experience working on z/OSMF, WebSphere Liberty

How we'll help you grow:
You'll have access to all the technical and management training courses you need to

become the expert you want to be

You'll have access to all the technical and management training courses you need to become the expert you want to be.

You'll learn directly from expert developers in the field; our team leads like to mentor

You have the opportunity to work in many different areas to figure out what really excites you

Required Technical and Professional Expertise

Must Have :

8+ years of relevant experience

Relevant experience of atleast 8 years in z/OS Environment & Systems Development.

Expertise in OS concepts (z/OS architecture, zVM basics, virtualisation, platform management), Exposure to Hybrid Cloud, virtualisation, Device Drivers, File Systems, Storage management / Networking management, REST API & DevOps (Continuous Integration)

Demonstrated execution experience of Systems project development and test on zOS platform with good experience on zVM, zOS

Architect, Design and Develop Features related to IBM Z Network Analyzer

Good communication skills and be able to work effectively in a global team environment.

Develop Network Analyzer tools / features to enhance user experience

Modenise User interface for a simplified and unified customer experience.

Key skills needed are - Java, Web UI - Javascript, Carbon, Relational database programming skills – SQL, JDBC, JPA.

Database administration skills (Db2 would be ideal).

Experience working on zOS Platform, z/OSMF, WebSphere Liberty.

Able to guide a team of lesser experienced professionals.

Excellent Communication, people management and leadership skills

Preferred Technical and Professional Expertise

Preferred:

Key skills needed are - Java, Web UI - Javascript, Carbon, Relational database programming skills – SQL, JDBC, JPA.

Database administration skills (DB2 Preferred).

Experience working on zOS Platform, z/OSMF, WebSphere Liberty.

About Business UnitIBM Systems helps IT leaders think differently about their infrastructure. IBM servers and storage are no longer inanimate - they can understand, reason, and learn so our clients can innovate while avoiding IT issues. Our systems power the world's most important industries and our clients are the architects of the future. Join us to help build our leading-edge technology portfolio designed for cognitive business and optimized for cloud computing.

This job requires you to be fully COVID-19 vaccinated prior to your start date and proof of vaccination status will be required before your start date. During the Onboarding process you will be asked to confirm your vaccination status, in case you are unable to get vaccinated for any reason, you can let us know at that stage. Please let us know if you are unable to be vaccinated due to medical or religious reasons. IBM will consider such requests on a case by case basis subject to submission of required proof by the candidate before a stipulated date.

Your Life @ IBMIn a world where technology never stands still, we understand that, dedication to our clients success, innovation that matters, and trust and personal responsibility in all our relationships, lives in what we do as IBMers as we strive to be the catalyst that makes the world work better.

Being an IBMer means you'll be able to learn and develop yourself and your career, you'll be

encouraged to be courageous and experiment everyday, all whilst having continuous trust and support in an environment where everyone can thrive whatever their personal or professional background.

Our IBMers are growth minded, always staying curious, open to feedback and learning new information and skills to constantly transform themselves and our company. They are trusted to provide on-going feedback to help other IBMers grow, as well as collaborate with colleagues keeping in mind a team focused approach to include different perspectives to drive exceptional outcomes for our customers. The courage our IBMers have to make critical decisions everyday is essential to IBM becoming the catalyst for progress, always embracing challenges with resources they have to hand, a can-do attitude and always striving for an outcome focused approach within everything that they do.

Are you ready to be an IBMer?

About IBMIBM's greatest invention is the IBMer. We believe that through the application of intelligence, reason and science, we can improve business, society and the human condition, bringing the power of an open hybrid cloud and AI strategy to life for our clients and partners around the world.Restlessly reinventing since 1911, we are not only one of the largest corporate organizations in the world, we're also one of the biggest technology and consulting employers, with many of the Fortune 50 companies relying on the IBM Cloud to run their business. At IBM, we pride ourselves on being an early adopter of artificial intelligence, quantum computing and blockchain. Now it's time for you to join us on our journey to being a responsible technology innovator and a force for good in the world.

Location StatementWhen applying to jobs of your interest, we recommend that you do so for those that match your experience and expertise. Our recruiters advise that you apply to not more than 3 roles in a year for the best candidate experience.

For additional information about location requirements, please discuss with the recruiter following submission of your application.

Being You @ IBMIBM is committed to creating a diverse environment and is proud to be an equal-opportunity employer. All qualified applicants will receive consideration for

employment without regard to race, color, religion, sex, gender, gender identity or expression, sexual orientation, national origin, caste, genetics, pregnancy, disability, neurodivergence, age, veteran status, or other characteristics. IBM is also committed to compliance with all fair employment practices regarding citizenship and immigration status.

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