

GURPREET SINGH

❖ gurpreetsingh.kingh@gmail.com ❖

SENIOR DEVOPS ENGINEER

Dev Ops Engineer ❖ Scripting & Developer Experience ❖ 12+ Year Record of Proven Results

- ❖ **Skilled DevOps & Deployment Engineer with a strong Linux background** and 12+ years of experience designing, implementing, and managing cutting-edge deployment automation.
- ❖ **Experienced in automating CI/CD build process, pre deployment, and automating the deployment process for execution and post deployment strategies for in-house and cloud environments.**
- ❖ **Collaborate with dev and testing teams**, to get the result oriented deployments smoother, quicker and with zero downtime , including creation and implementation on code standards and reviews
- ❖ **Accountable** for the technical integrity of the Smartdata Application for commercial product line.
- ❖ **Leading Support Bridge calls for production systems issue resolution.** Problem fixer, with a knack of debugging & fixing issues extensively using splunk and dynatrace tools.
- ❖ Manage Build and release process for smartdata application for multiple releases and code cut off and checkin process monitoring till production deployment
- ❖ **Managing PCF** environment for **in-house and cloud deployments.**
- ❖ Ability to troubleshoot SOA, network, load balancer, HTTP/HTTPS communication, and browser client's issues, commonly occurring to a large scale web application environment.
- ❖ **Rich experience in resource managing**, developing development, testing and Deployment solutions, sizing, POC's and presentations. Possess experience in monitoring, analysis and giving recommendations.
- ❖ **Excellent communicator**; leverage technical, business and financial acumen to communicate effectively with client executives and their respective teams.
- ❖ **Expert in agile and waterfall project management methodologies.** Known for ability to produce high-quality deliverables that meet or exceed timeline and budgetary targets.
- ❖ **Diligent senior resource offering a proven record of** success leading all phases of diverse technology projects; Backed by strong credentials including a **Masters in Computers degree, Scrum certified, KANBAN & SAFE Agile certified practitioner**, and computer programming.

Skills Summary

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| ❖ Batch/Shell scripting | ❖ Jenkins/Bamboo | ❖ Docker Administrator |
| ❖ SOA Testing & Methodologies | ❖ Project Management | ❖ Test Strategies & Coverage |
| ❖ Web Services /API Testing | ❖ Chef & ARA Automation | ❖ Docker/Vagrant |
| ❖ Scripting & Documentation | ❖ Splunk & Dynatrace Expert | ❖ BI WebFOCUS Expert |
| ❖ Scrum/Kanban Practitioner | ❖ QTP/Rational Robot Expert | ❖ POC/Sales/Technical Demos |
| | ❖ Client Relations & Presentations | ❖ PCF/AWS Admin/Deploys |

Professional Experience

TECH MAHINDRA — USA

Client - MasterCard — USA/Malaysia

Senior Build & Release Engineer, Aug/14 to Present

- ❖ Leading the deployment team, and created and initiated the Devops culture in the Team, by showcasing multiple demos/POC, and later on successfully implemented the same, starting with lower environments.
- ❖ Create and maintain fully automated CI/CD pipelines for code deployment using ARA Deploy and PowerShell/Batch scripts.
- ❖ Manage 50+ total Jenkins, and Chef Accounts to more effectively control access to resources and increase security.
- ❖ Deploying and managing PCF & AWS environment for continuously integration and deployments.
- ❖ Actively deploy, manage, improve, and monitor MasterCard's- Commercial Application infrastructure including backups, patches, and scaling, for Smart data.
- ❖ Reduced costs by ~\$3,000 by eliminating unnecessary servers and consolidating databases, for multiple environments.
- ❖ Automated build and deployment using Jenkins to reduce human error and speed up production processes.
- ❖ Reduced deployment time for critical agile project infrastructure from ~1 month to 2 days.
- ❖ Maintain and manage Users/build profiles in Jenkins for CI/CD pipeline.
- ❖ Installed and configured and managed Splunk and Dynatrace(for performance) dashboard to proactively monitor live network bandwidth, memory usage, and hard drive status, and application error logs.
- ❖ Managed GitHub repositories and permissions, including branching and tagging.
- ❖ Rewrote shell deploy scripts, reducing deployment times from 5+ hours to less than 2 minutes
- ❖ Wrote and tested Chef Cookbooks to configure and perform tasks on remote nodes.
- ❖ Implemented CI/CD process using Jenkins for global development team, allowing for dozens of code updates per hour with zero downtime.
- ❖ Built and deployed and manage Chef Cookbook's modules for infrastructures as code. Helps in managing configuring multiple environments, multiple servers, for lower to environment, till production deployment.
- ❖ Currently working on new initiative on formalizing and visualize the strategy for adopting Docker and Kubernetes, in the current environments.

AMTEX SYSTEMS — Chennai, New Delhi- India

Client - Information Builders — New York, USA

Assistant Manager QA, Sep/11 to July/14

Serve as a Technical guiding member of software development team as the QA Manager on development projects for Business Intelligence tool called WebFocus. Supervise a software QA testing team in developing and implementing quality-assurance and quality-control methodologies to ensure compliance with QA standards and customer specifications. **Results:**

- ❖ **Led teams across broad technical, financial and business disciplines.** Focused teams on business objectives and tracked progress to ensure project milestones were completed on time, on budget and with the desired results.
- ❖ Extensive custom reports and automation process, to create BI reports from salesforce.
- ❖ Proficient in configuring and setting up iway salesforce plugins.
- ❖ Deploy metadata components from one Salesforce organization to another, or validate a planned deployment using the Deploy to Server wizard.
- ❖ **Ensured defect-free releases** through careful planning, testing and QA efforts.

- ❖ **Defined processes and tools best suited to each project.** Moved between agile and waterfall approaches depending on project specifics and client goals, creating detailed project road maps, plans, schedules and work breakdown structures.
- ❖ **Adapted and followed Scrum and Kanban style of working,** led to massive increase in performance output of team members to uncover, identify and document software problems and their causes. Led QA testing that:
 - ◆ **Rigorously followed individually and in team Kanban style of working and tracking individual and teams potential,** which helps individual team members and whole QA teams to outperform their own set standards. Goal oriented result based testing results prove the same.
- ❖ **Created Automation architecture for API/WebServices testing,** which helps QA teams to run, analyze and auto report issues.
 - ◆ **Infrastructure created using all open source tools/languages like Soapui, STORM with groovy standard language,** which helps in integrating old and creation of new tests.
 - ◆ **Helps QA teams and developmental teams to get real time updates on the testing.**
- ❖ **Transitioned software development efforts to a test-driven development (TDD) process,** which brought QA testing in on the front-end of the development cycle for gains in code quality, software functionality and programmer productivity.
- ❖ **Conducted formal and informal product design reviews** throughout the software development lifecycle to provide input on functional requirements, product designs, schedules and potential issues. Leveraged developer background to communicate effectively with software design team, quickly gaining their respect and becoming a valued, "go-to" team member on challenging test cases.

AMTEX SYSTEMS — Chennai, New Delhi- India

Client - Information Builders — New York, USA

Team Lead - QA, March/10 to Sep/11

Promoted to serve as Team Lead QA, overseeing quality-assurance testing and teams for client software and systems development projects. Performed system, unit, performance, load, regression, stress and data interface testing. Provided client developer teams with detailed reports on quality metrics, identified bugs/flaws and recommended fixes. **Results:**

- ❖ **Created company's first comprehensive database** of documented all validation, and Functional testing documents and procedures to enable accurate replication and ensure compliance with standards and training needs. Accelerated average QA testing turn-around time by 25% or more, allowing more training time and testing time.
- ❖ **Designed and implemented automated testing tools and programs** addressing areas including database impacts, software scenarios, regression testing, negative testing, error/bug retests and usability.
- ❖ **Documented software defects using bug tracking system** and reported defects involving program functionality, output, online screen and content to software developers.
- ❖ **Delivered thorough Performance testing reports** that determined product quality and release readiness.
- ❖ **Created Data driven framework for QTP automation.**

AMTEX SYSTEMS — Chennai, New Delhi- India

Clients - Information Builders — New York, USA

Senior Executive - QA, July/07 to Feb/10

- ❖ Training Team members on BI tool Web Focus and others Selenium, QTP & Rational Robot.
- ❖ Performance testing of web application using grinder testing tools.
- ❖ Created Test plans, with different scenarios for the areas tested.
- ❖ Extensive Demos for Customer Training for IBI Product Clientele & prospective Clients viz; Satyam, Inox , Visteon , Ford, Perot Systems , Fidelity , GAIL.
- ❖ Extensively involved in Manual and Automated Testing (GUI, Client Server, and Web Testing).

- ❖ Handled & Managed the Level5 IBI's premium Customer's calls by resolving, debugging & delivering/rectifying the production down issues on Weekend's.
- ❖ Extensively involved in testing android and ios apps on all possible handheld devices.

AMTEX SYSTEMS — Chennai, New Delhi- India

Clients - Information Builders — New York, USA

QA Analyst - Feb/06 to June/07

- ❖ Installation & Managing the Administrative tasks of different apps/users, configuring Web focus on different platforms.
- ❖ Involved in test Specifications by analyzing functional requirements for new tools.
- ❖ Conducted regression, functional and GUI testing for different platforms.
- ❖ Automation and test run and analysis using testing tools, Rational Robot Suite.

Education & Credentials

KURUKSHETRA UNIVERSITY — Kurukshetra, Haryana, India

Masters In Computer Application, 2002-2005

UNIVERSITY OF DELHI — New Delhi, India

Bachelor of Commerce, 1999-2002

TATA INFOTECH EDUCATION — New Delhi, India

Advanced Diploma in Computers, 2000-2002

Technology Skills

Technologies/Languages

C, C++, Vb6.0 with Crystal reports, Java (core), Groovy, Javascript, XML, SOAP, REST

Development

Batch files, Jenkins CVS, Jenkins, Chef

Databases

FOCUS, DB2, MS Jet, Access, SQL Server, MS-Access, Mysql, Derby

IDE

Net Beans, Visual Studio , Padre (Perl IDE)

Test Management Tool

Test Director, Bugzilla, MedProj, compass, HOTTRACK

Business Intelligence Tools

WebFOCUS-5X/76X/77X/80X releases, Focus, Cactus, Maintain, MRE, Report Caster, EIS, on Windows, MVS, VM, OS/2, Microstrategy, Cognos, Pentaho, IBM DB2 WebQuery

Build related Tools

Install shield Multiplatform 5.02 (Basics)

Testing Tool

HP QuickTest Professional, HP Quality Center, HP Unified Functional Testing, Rational Robot suite, Rational Test Manager, Win runner, Selenium, SOAPUI, LOADUI STORM, Badboy, Jmeter, APPScan, Grinder.

Operating System

Windows xp, Windows2000/NT, Windows 2003 Server, Vista ,Linux , zOS.

Application/WebServers

IBM HTTP Server, IIS7.x, Apache2.2.22, Tomcat5/6/7.0, Jboss EAP6.X, Websphere8.X, Weblogic12c/11g

Scholarships and Awards

- Awarded scholarship for my academic Excellence in test conducted by Wigan & Leigh College (India) Ltd.
- Awarded Star Performer award from Tech Mahindra and MasterCard.
- Awarded Star Performer award regularly from Amtex Systems Inc., following client appreciations.

- Awarded Quarter & yearly Performer award from Amtex Systems Inc. for achieving outstanding work ethics.

Work Authorization

Valid H1B Visa Authorization