Nidhi Jain

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## Senior Software Engineer

### EXPERIENCE ENHANCING CLIENT EXPERIENCE **FOR JP MORGAN CHASE, BARCLAYS & NORTEL**

Highly technical engineer with almost 7 years of experience executing all phases of software development lifecycle against aggressive project requirements. Specialties in highly regulated finance industry, as well as in rapidly evolving telecommunications space. Engaging communicator skilled in working with management and multidisciplinary teams to achieve quality. Master of Computer Application degree and various trainings.

### Areas Of Expertise

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| --- | --- | --- |
| * Software Engineering * SDLC Processes * Quality Assurance * Implementation Support | * Migration & Maintenance * Requirements & Analysis * Test Development & Execution * Vendor Relationships | * Continuous Improvements * Training & Development * Cross-Team Collaboration * Communications |

### Technical Expertise

**Languages:** Core Java, Spring, C++, C, BIG Data Hadoop MAP Reduce, Apache PIG, Apache HIVE, Apache Spark, Apache Scala, Sqoop, SQL, PL/SQL, Shell Scripting, Perl, Unix scripts

**Web**: Angularjs, HTML5, Bootstrap, css, javascript , Git and Bower

**Database:** Oracle 9i, Oracle 10g and Oracle 11g

**Operating Systems:** UNIX, Linux, Windows

**Third Party Tools:** TOAD 9.6, SQL Developer 3.2, SQL Monitor 2.4 & PuTTy 0.62

**Other Tools:** VSS, Clear Case, VPN, IS41, ISUP, CATT

**Methodologies:** Object oriented Design Patterns, STL, Multithreading and Socket Programing TCP/IP, development of Inbound and Outbound Interface, Procedures, Package, SQL Loader and Unix Shell Scripting

**Protocol:** SIP,SS7, SIGTRAN, H.248 and VOIP

**Domains:** Telecom (SS7, CDMA technology, SIP, Call Processing on Nortel DMS switch), Banking and Finance

**Other Language**: c#, Pro\*c, Visual Basic, Sybase, Ingress, Active Server Page (ASP), HTML, Remedy, Protel

### Professional Experience

**SENIOR SOFTWARE DEVELOPER** 2008 – 2011

**Cognizant Technology System**  Pune, India

Key developer working with variety of elite financial institutions to drive technology programs forward.

***Key Projects & Engagements***

* BRAINS (Barclays Africa Core Systems)

*Barclays Africa Core Systems provide comprehensive dual currency accounting system for medium to high volume retail banking operations. BRAINS develops, supports and maintains core banking systems and applications for Barclays Africa, and is implemented uniquely across 9 countries.*

* + Senior Software Developer/ Onsite coordinator –Java, c++, Unix Shell Scripting, Oracle PL/Sql
  + Direct offshore team in executing all project processes
  + Gather, analyze and translate user requirements
  + Handle change requests
  + Develop and launch comprehensive testing methods
  + Migrate code to QA instance for further testing
  + Proactive participant in client meetings and engineering reviews
  + Executed three months of onsite UK work

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**Cognizant Technology System (CONTINUED)**

* **Value at Risk -VAR’s (JP Morgan Chase)**

*JP Morgan Chase’s enterprise market risk system most commonly used by security firms or investment banks to measure market risk of asset portfolios (market value at risk).*

* + Software Developer – Java, C++, UNIX, Shell Scripting, Oracle PL/SQL, VSS
  + Utilized Java spring struts, servlets and Java server pages
  + Developed UNIX shell scripts to process the vendors raw feed file, applies the defined rules and convert them into the standard Output format
  + Part of PFP-lib optimization group that contributes to optimize legacy software and improved the module level execution time efforts by 40%
* **Global Market Reference Data -GMRD (JP Morgan Chase)**

*Global repository for all asset indicative data (securities, bonds, funds information and metrics) that receives data from 17 different vendors. Data is processed and subjected to 1,000 merge, validation and publication rules.*

* + Software Developer-C++, JAVA, Unix Shell Scripting, Oracle PL/SQL, VSS
  + Improved batch loader tool efficiency by converting tool from single user to multiuser environment
  + Mentored newer engineers to get up to the speed on GMRD product

**SENIOR SOFTWARE DEVELOPER | CONSULTANT** 2005 – 2008

**TATA Consultancy Services**  Mumbai, India

Consulted with key telecommunications client organizations to deliver tailored, sophisticated IT improvements.

***Key Projects & Engagements***

* **SIP on Core -Nortel Networks USA**

*Session Initiation Protocol is used to establish a session for features like audio / video conferencing, interactive gaming and call forwarding to be deployed over IP networks. Project covered implementation of SIP Stack onto MTX Core.*

* + Software Developer, JAVA, Java Servlet, Struts, Spring, JSR 289, Oracle PL/SQL, VSS, SS7
  + Key player in coding and testing for SIP error messaging-feature
  + Designed call flows and used JSR 289 servlets to communicate with MSC and simulate messages to make voice call
  + Development of a SIP interface and Improved the internal MTX-switch lab voice-call traffic efficiency by 40%
  + Prepared SIP message flow training to new team member
* **MTX-CDMA Packet MSC, Nortel networks, Mumbai**

*MTX-CDMA-Packet MSC is used to enhance wireless communications. Its resources used for Call Processing are more dynamic and flexible than circuit-MSC resources. Communication between Packet MSC Core (the switch) and MGW (Media Gateways) is established through a GWC (Gateway Controller), and was happening using the H.248 Protocol.*

* + Software Developer -java , C++, Unix Shell Scripting, Oracle PL/SQL, VSS, SIP, SS7, CATT
  + Hands-on experience on TRfo, MTX CALLP,ISUP, Is-41,1XRTT, SMS, HANDOFF and BCP call.
  + Performed coding, unit testing, test cases preparation and report generation
  + Supported to feature-level SIP messaging team testing at internal lab
  + Contributed to Functional and Technical Specification document
  + Involved in weekly Nortel-Lab Sanity

### Education

**Master of Computer Application (MCA), 2004 (78%, college topper all semesters),** RGPV, University Bhopal

**Bachelor of Computer Application (BCA), 2001 (75%, University topper),** Barkhatulla University Bhopal

### Certifications & Trainings

**Certifications:** Brain Bench Certified C++, PL/SQL, Java, Hadoop Big Data IBM BIG Insight

**Training:** Six Sigma, SS7, CDMA call processing, UNIX scripting, L0 BFS,C#, Java, Perl and Sybase training