HARPREET DAWAR

SENIOR SOFTWARE ENGINEER

CONTACT

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📍 Calgary, AB

EXPERTISE

Leveraging my experience to solve the daily challenges of working with ever-evolving technology.

Creating End to End Software Systems Combining technology, marketing and business development expertise to deliver substantial revenue growth in highly competitive business markets.

Solutions Architect – Designing, developing and maintaining the Enterprise Architecture diagrams as well as details design plans for the overall logical and technical technology architecture stack.

Providing technical leadership and consulting from strategic decision making
down to the project planning level.

Quarterbacking internal teams through the exchange of knowledge, experience, and goal sharing to optimize strategies and drive the development of new products, platforms and technologies.

CAREER HIGHLIGHTS

- 20+ years' experience in software development and information technology.
- Over 15 years in a Lead position, successfully developing and managing teams
- International experience across 3 countries, India, United States and Canada

WORK EXPERIENCE

APPLICATIONS SPECIALIST

CANADIAN PACIFIC (CP) | CALGARY, CANADA | 2014 - PRESENT

Responsible for delivering multi million dollar projects. I am Involved in the analysis, design development and implementation of several key Canadian Pacific projects.

- Customer 360 (a visual OLAP initiative with SAP UI5 Cards using charts for predictive analysis).
- PEGA systems Integration using SpringBoot Java REST based Webservices for Precision Terminal Management (PTM) / Common Track Network (CTN) project.
- Autogate / Fastpass project for quick and human less entry and exit at the Intermodal Tucking Terminals. Designed and implemented color coded QR code to generate and record the transactions (OLTP initiative).
- Demand Management Project : for fulfilling the requests of customers to ensure that their containers reaches the destination on or before a specific date demands without overloading the train capacity on any particular day.
- Vendor portal : for viewing contracts, purchase orders, and invoices raised by external vendors.
- Web Pricing (aka online Quote generation) system.
- Mosaic – Kalium Car cleaning report generation system

- Data Synchronization between Customer Station and SAP---CRM backend.
- Manage Invoices – Multiple Security levels
- Denial of Service attacks by implementing CAPTCHA security at various entry points including Customer Registration and Forgot Password
- Migration of the current system designed in Groovy, Grails 2.2, DOJO 1.7, JSF, database versioning using flyway to Spring Boot, Java 8, HTML 5 and database versioning using liquibase.
- Designing Enterprise level Architecture diagram.
- Drawing use case, class & sequence UML diagrams using PlantUML software.
- Technology stack includes: Java 8, SpringBoot, Oracle 12c, Grails 2.2, Groovy, Dojo 1.7, SQL Server 12, SAP BAPI's, Bitbucket, JUnit, Selenium, Tomcat 7, TeamCity v8 CI, Gradle build automation, Splunk, Database versioning using flyway & liquibase.GIT version control

TECHNOLOGY LEAD

CRITICAL MASS | CALGARY, CANADA | 2006 – 2013

Involved in the development and implementation of many key technology projects, I was responsible for delivering projects in the range of $1M to $2.5M. As the Technology Lead, I developed and built a strong team of junior technology development employees.

- Led the architecture, development and implementation of the Dealer Center of Information, REST and SOAP web services for use on smart phones, tablets and hand-

TECHNICAL

Developing, Testing, Deploying, Securing REST & SOAP based Webservices

Frontend - UI using technologies like UI5 / Bootstrap (CSS3/HTML5/Javascript)

Middleware - Java (SpringBoot)

Backend – Oracle 12c/H2, Frontend SAP

held mobile devices.
- Developed Nissan and Infiniti USA sites using Day CQ 5 (content management system), Groovy and Grails.
- Developed geo-location-based web sites for Rolex.com.
- Developed Hyatt Hotel's online reservation system; was integrated with J2EE/ATG and Endeca search engine.
- Managed server performance diagnostics and tuning for Hyatt.com; included JVM optimization.

PROJECT LEAD

SYNTEL CORP | MUMBAI, INDIA | 2006

Led and coordinated a two-month project which involved the design, analysis and implementation of a new software platform. The Struts/JSP Tiles framework was used and deployed on BEA WebLogic 8.1.
- Led a team of 5 web developers; provided direction and training regarding the technology.
- Creation of the low-level design & architecture documents; integrated the screens and flow.
- Defined user stories and created domain and business level objects.
- Provided peer and senior level code review of team members.
- Coordinated with the on-site lead who was located at the client location in San Francisco.

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ABOUT ME

EDUCATION

Bachelor of

Computer Science and Engineering

Punjab Technical University

Jalandhar, India |1998

TRAINING

- Kony Mobile Certified Developer
- Oracle (formerly Sun) Certified
- Java Programmer
- FileNET Certified Professional
- ART of LEADERSHIP

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WORK EXPERIENCE CONTINUED

WELLS FARGO | SAN FRANCISCO, CA | 2003 – 2006

PROJECT LEAD | 2004 - 2006

- Led the CIV project to enhance the former DISC project and was based on a Strutus framework, the main goal of the project was to enhance the Wells Fargo phone banking web services client application.
- Engaged with the business team to gather application enhancement requirements.
- Developed and presented detailed designs; led JAD session to facilitate the advancement of designs.
- Developed and maintained existing code to implement agreed specifications; troubleshooting problems as required and designing necessary class/data structures to support enhancements.
- Preparation of reports, manuals and other documentation.

SENIOR ANALYST (2003 – 2004)

- Senior analyst on the DISC (Desktop Integration Straight Conversion) project aimed at helping to integrate phone banking applications for Wells Fargo. The project also involved web services over the SOAP protocol using AXIS. Managed team of 6 developers.
- Wrote computer telephony interfacing with IVRU and a telephonic server using a Genesys API.
- Additional code and application writing/development; included servlet and applet for data pop-ups on phone browser, middle ware services core framework, testing middle ware XML messages, WSDL files and proxy clients.
- Testing of proxy clients with web service methods over a SOAP protocol.
- Version control of all files using Rational Clearcase on Unix.
- Deployment and testing of integrated application using ANT build scripts.

SENIOR ANALYST

SYNTEL | MUMBAI, INDIA | 2003

- Intranet project based on the MVC architecture - project consisted of developing a system which allows bank officials to check any discrepancies between values entered by clerks and actual proof of deposits. Successfully led team of 6 offshore workers.
- Understanding of the existing PowerBuilder application and deducing "Messaging Unit" formats.
- Wrote Java Wrapper Classes code using Java Sockets for the middle ware; also used IBM WebSphere.
- Designed UML (Class, Sequence and Deployment Diagrams) using Rational Rose.

SYSTEMS ANALYST
HCL TECHNOLOGIES | MUMBAI, INDIA | 2001

ONSITE CO-ORDINATOR
TD CANADA TRUST | TORONTO, INDIA | 2000

SR. SOFTWARE ENGINEER
MAHINDRA SATYAM | HYDERBAD& PUNE, INDIA | 1998