

# Gaurav Nagar

## Java Developer - Automatic Data Processing

Cranford, NJ - Email me on Indeed: [indeed.com/r/Gaurav-Nagar/c1fd778d62268700](https://www.indeed.com/r/Gaurav-Nagar/c1fd778d62268700)

- Around 7years technical expertise in complete software development life cycle (SDLC) process which includes Requirements gathering, Analysis, Design, Development, Testing and Implementation.
- Strong knowledge of Core Java and Object Oriented Programming concepts.
- Experienced in Agile Software development process using SCRUM
- Well versed in implementing Design Patterns like Singleton, factory design pattern, DAO design Patterns
- Deployed and Configured Java 1.8/J2EE applications in LINUX environments
- Had a good Experience in deploying applications on WebLogic, Apache Tomcat, JBoss, IBM Websphere application servers.
- Expertise in Multithreading, Spring, Spring boot, Hibernate application frameworks
- Experienced in implementing Web services using WSDL, REST, JAXB, XSD, JSON, Angular JS
- Experienced in working with monitoring tools New Relic, HSPM, Dynatrace
- Good Knowledge in working with Bamboo and Stash.
- Have a Strong good knowledge on using Cassandra, NOSQL database management system for keeping user generated data by upgrading of Couch base and Cassandra cluster.
- Implementation experience of Rich User Interfaces using HTML, CSS, and JavaScript.
- Had awareness in software development in Python and Many of its libraries like Numpy, scipy, matplotlib, Pandas data frame, network, urllib2, MySQL dB for database connectivity and IDEs
- Worked with databases like Oracle8i/9i/10g, MySQL, PostgreSQL and Microsoft Access
- Experienced in working on SQL, Oracle PL/SQL programming, Stored Procedures, and Query Optimization
- Experienced in using build tools like Maven, Ant.
- Have a Good working knowledge in using Mongo DB.
- Expertise with using the JUnit for testing the applications
- Worked with error logging and debugging using log4j
- Installed and configured projects using WebLogic, WebSphere, Tomcat app servers.
- Expertise in configuring version controls like CVS, SVN and GitHub
- Extensive experience of using IDEs such as Eclipse, IntelliJ, Visual Studio
- Have a Good understanding and basic knowledge on DevOps.
- Good team player, strong work ethics, enthusiastic and quick learner with positive attitude
- Excellent analytical and problem solving skills along with good oral and written communication skills

Willing to relocate: Anywhere

Authorized to work in the US for any employer

## WORK EXPERIENCE

### Java Developer

Automatic Data Processing - Parsippany, NJ - May 2015 to Present

ADP Workforce now provides web based solutions for managing payroll, human resources, and benefits with a single point of access to the ADP applications. It is a cloud based web application that provides an integrated platform with employee and manager self-service tools. The application allows the employees or managers to access personal information, benefit information, education and skill information, and allows practitioner to hire, terminate, transfer or add another position for an employee. The application also supports employee import from other systems and time and attendance tracking for employees.

- Handled complex Time and PTO related REST calls asynchronously with deferred objects for better user experience
  - Experienced in deploying applications on WebLogic, Apache Tomcat, JBoss, IBM Websphere application servers
  - Designed REST web services to work with the application.
  - Improved cache storage in the application by using multithreading through Java Executor. Created single thread for every user.
  - Implemented Web 2.0 UI pages by using HTML, CSS, JQuery, and AJAX, Angular JS.
  - Build a Single page application by using Angular JS and Created a web based centralized configuration manager UI using Angular JS and Spring MVC.
  - Identified and fixed the bugs reported by SIT and UAT teams during the testing phase and delivered the changes on the timely manner.
  - Worked on Spring Boot to run Spring Scripts for creating micro-services.
  - Integrated Web 2.0 GUI pages with backend using Jersey RESTful web service and AJAX
  - Designed and developed base classes, framework classes and common re-usable components
  - Implemented complex role based hierarchy query SQL query in DAO layer using Sybase SQL server.
  - Integrated stored procedure and Named/Native JPA Query in DAO layer
  - Configured Jersey and Guice to implement REST web services for EAR application
  - Used maven to update and build the latest snapshots
  - Migrated legacy maven dependencies to new dependencies
  - Worked with Continuous Integration / Continuous Delivery pipelines for the platform
  - Used Jenkins for CI/CD (Continuous Implementation and Continuous Delivery).
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- Used Java Messaging Services (JMS) for solid and Asynchronous trade of imperative data, for example, Payment status report.
  - Used Splunk to check stack trace and logs in different testing environment
  - Developed complex user interfaces using JSTL, Struts Tag libraries and integrated with Struts Forms and Actions for legacy application to implement Employer Affordable Care ACT
  - Integrated Struts Action with Batch application using JMS
  - Executed business processes using jBPM (Java Business Process Management) 5.0 tool
  - Used Ant tool to generate Properties file from Excel files
  - Resolved merge conflicts using Tortoise SVN for branch releases
  - Developed user interface using JSP, JSP Tag libraries, Spring Tag libraries and JavaScript to simplify the complexity of the application
  - Used Jenkins to build and deploy in development integration environment
  - Used IntelliJ as Development IDE for web applications
  - Worked on SQL queries with Oracle SQL developer to select/insert/update/joins etc. for test/development purpose in local environment. Used Oracle11g in this process.
  - Configured Apache server to re-direct urls for Tomcat servers
  - Used Putty and ran bash scripts to load data dump to different environments
  - Experience in using Python for Server side scripting used it in generating financial reports out of SQL databases.
  - Worked with NoSQL database MongoDB for storage.
  - Providing the UAT support to the client.
  - Used Subversion and Tortoise SVN for Version Control tool and Clear Quest/Rally for bug tracking tool
  - Worked in SOA with portal integrated environment
  - Deployed the project in Linux environment in Virtual Machine
  - Conducted interviews for consulting positions
  - Supervised and mentored junior developers for troubleshooting and implementation of technologies

- Provided technical expertise, estimates, and recommendations to development lead, business analysts and project management
  - Worked with Development Leads and Project Managers to help determine timelines and project tasks
- Environment: JDK 1.8, Servlet, JPA, UAT, JDBC, jBPM 5.0, JBoss, IBM websphere, AJAX, SQL, GUI, SQL Developer, HTML, CSS, Web Services, Bigdata, Hadoop, WSDL, JMS, REST, Spring Boot, Sybase, IntelliJ, Micro services, Stored procedure, JQuery, React, JavaScript, Oracle11g, Log4j, ANT, SVN, Tortoise SVN, Clear Quest, JMS(Java Messaging service),Linux, Maven, Putty, Jenkins, CI/CD, Splunk, JSTL, Jersey, Guice, JSON, SOA, Portal, SQL Server, Angular JS2.

## **Software Engineer**

Sky Vision Media - Amravati, Maharashtra - August 2012 to July 2014

Sky Vision Media provides custom and personalized payroll and billing management solutions aimed and small to medium scale business. It is a standalone application that provides an integrated platform with employee payroll, inventory and billing management tool. The application allows users to manage employee details, inventory data and billing routines.

- Developed level 1 CRM software for payroll and billing management using Java and SQL.
- Extensively worked on n-tier architecture systems with application development using Core Java, Collections, API and Multithreading, JDBC, Servlets.
- Executed the application in an Agile Scrum environment for fast paced development.
- Performed quality assurance to ensure high quality product including designing of tests
- Executed 80% of software development life cycle on-site and monitored the entire process
- Implemented the project by using spring MVC module
- Used CSS, HTML in developing presentation layer and also used JQUERY and CSS to develop JSP pages.
- Implemented the online application by using Core Java, JDBC, JSP, Servlets, Web Services, Restful Web services, SOAP, and WSDL.
- Developed Java, JSP, Servlets as Server Side Components.
- Used AJAX for rich Internet applications.
- Designed and implemented dashboard and menu for payroll and performance management
- Devise or modify procedures to solve complex problems considering computer equipment capacity and limitations, operating time, and form of desired results
- Developed JavaScript Validations and Rest Web Services.
- Worked on JBoss application server.
- Used spring framework for the business layer using Spring Cove, DAO, Spring MVC.
- Implemented DAO for data access using Spring, JDBC.
- Had expanded knowledge of enterprise data warehousing through development of ETL (extract/transform/load) strategies.
- Developed back-end stored procedures and triggers using Oracle PL/SQL, involved in database objects creation, performance tuning of stored procedures, and query plan.
- Updated dependencies maven parent POM file to reflect changes for both development and integration testing environments.
- Implemented the project using the Hibernate framework to communicate with database
- Writing MySQL queries and working with database engine MySQL
- Implemented Singleton, factory design pattern, DAO design Patterns based on the application requirements
- Involved in developing server side services using Java and TIBCO EMS to provide indicative data from Bloomberg.
- Used SVN as version control tools to maintain the code repository
- Responsible for requirement gathering, design and analysis of the system
- Worked with customers to gather requirements and develop use cases, project and test plans
- Involved in designing the application by drawing UML diagrams using JUDE tool

- > Involved in JUNIT testing
- > Application code investigation, code cleanup and code repository maintenance
- > Used Eclipse as IDE to develop the application
- > Maintained(involved in Designing and Developing) the database for MSP Web Services (MWS) by using IBM RTC and Microsoft SQLserver.

> Involved in JUnit & Integration testing

Environment: JDK 1.6, JDBC, JSP, XML, Multithreading, SQL, PL/SQL, JavaScript, Oracle PL/SQL , CSS, HTML, Log4j,AJAX, ANT, ReactJS, MySQL, Agile (Scrum), Silk Central, TIBCO, SVN, Microsoft SQL Server, Core Java, Spring, JDBC.

## **Software Developer**

Sofomo Embedded Solutions - Pune, Maharashtra - August 2010 to May 2012

Sofomo Embedded Solutions provides real time monitoring solutions for the HealthCare industry. The application was aimed at providing doctors real-time patient health updates on a remote device. The application shows communicates with a middleware server to provide real time updates as well as graphical representation on the remote (Android) device.

- > Implemented a system daemon using C for performance monitoring
- > Extracted the CPU, network utilization of 15 computers over user selectable time window
- > Handled with Multithreading nature in the application.
- > Understanding existing process, requirement collection and creating prototypes.
- > Developed the Android application for the client side using Java and Android Studio
- > Developed the presentation layer, GUI framework and Client-Side validations were done using XML and JSON
- > Good understanding of Apache Groovy.
- > Experience in writing the scripting language Groovy which can run on Java virtual machine.
- > Designed the web application using HTML, CSS, AJAX, Ajax for designing the UI and JavaScript, JQuery for client side validation,
- > Implemented the project using SAX, DOM and JAXB to retrieve the data from the xml documents
- > Implemented various Java design patterns like front controller, MVC, DAO, singleton
- > Version Control tool used was Git and Android Studio as IDE.
- > Involved in a team, Working to Create SQL queries, Stored procedures using PL/SQL for data modification (Using DML insert, update, delete) in Oracle.
- > Used ANT build tool for automation of installation build and for running test cases to generate test report
- > Experience using and maintaining database using SQLite
- > Performed unit testing on the product
- > Wrote functional tests to ensure high quality

Environment: Core Java, HTML, CSS, AJAX ,UI, JavaScript, GUI Framework, MVC, SAX, DOM, XML, Android Studio IDE, SQLite, PHP, C, Git, JSON, Multithreading, Groovy

## **PUBLICATION**

"Live Streaming and Analysis of Networked Resources"

- > Published in International Journal of Emerging Technologies and Applications in Engineering Technology and Sciences
- > Summarized accomplishments at Sofomo Embedded Solutions in the paper

## **EDUCATION**

### **Master of Science in Computer Science in Computer Science**

Stevens Institute of Technology - Hoboken, NJ

August 2014 to May 2016

## **Bachelor of Engineering in Computer Engineering in Computer Engineering**

University of Pune - Pune, Maharashtra

August 2008 to July 2012

### **SKILLS**

Ant (5 years), database (5 years), HTML (6 years), Java (6 years), JavaScript (5 years), Java 1.8 (2 years), JBPM (2 years), Spring (5 years), Hibernate (5 years), Ant (2 years), Maven (3 years), Jenkins (4 years), CI/CD (2 years), MultiThreading (5 years), Core Java (5 years), SQL, MYSQL (4 years), Oracle (5 years), Servlets (5 years), Apache Tomcat (5 years), Websphere (4 years), Weblogic (3 years), Spring Boot (2 years), Python (1 year)

### **ADDITIONAL INFORMATION**

#### **SKILLS**

Programming Languages Java 1.8, C++, C, Core java, SQL, Python, HTML, XML, Node.JS, JSON, JBOSS, TIBCO

Web Technologies JSP, Servlet, JAX-WS, AXIS, REST (JAX-RS), SOA, REST, Spring boot, Angular JS, JavaScript.

J2EE Standards JDBC, JNDI

Database and Platform Oracle [...] MySQL, SQLite, MongoDB, Bigdata, Hadoop(Map - Reduce)

SCM CVS, Subversion, ClearCase, GIT

Operating Systems Windows, Linux, Unix

Methodologies Agile(Scrum, TDD), Waterfall

Tools

Visual Studio, iPython Notebook, MVC, Eclipse, IntelliJ, Emacs, Git, PyCharm, Wireshark, AWS, Log4j, Ant, JUnit, Jenkins(CI/CD), Maven. MVC, JBPM