



Vivek Kumar Gupta
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Summary

- I have an **H1B visa** which is valid till November 2025 and I am also eligible for a **TN visa**.
- Over **15+ years of experience** in java application development along with programming skills including **Java 8, Hibernate, Spring, Spring Cloud, Spring MVC, Spring Boot, Multi-threading (Concurrent API), JUnit, JAXB, Amazon Web Services AWS, Micro services, Rest/Soap API**.
- Experience all the phases of software development life cycle (SDLC) from design, code, architecture, development, testing, deployment, support.
- Experience with design engineering teams for architectural changes for new implementations.
- Experience in all phases of Software Development life cycle - Requirement analysis, Architectural design, Development, Unit/Integration testing and Documentation.
- Write stored procedures and functions, development of database packages, unit / regression/ integration testing based on engineering requirements Fixing, verifying, and tracking defects.
- worked on **AWS features/services** in different agile and scrum projects for building and deployment of the application using build tools like **GitHub, Ant, Maven, Gradle and CI/CD using Jenkins, Teradata Script, Shell Scripting, Docker for deployment, with Jira, IBM application lifecycle management (ALM) and Confluence tools for defect and feature tracking**.
- Experience in programming skills include **MuleSoft 4.0, Any point Studio 7.0, WSO2 API Management, MongoDB, Hibernate, Spring, Spring MVC, Spring Boot, Java 8, Multi-threading (Concurrent API), JUnit, JAXB, Amazon Web Services AWS, Micro services, Rest/Soap API, Shell scripting, PL/SQL, Database- Oracle/MySQL/MS-SQL/Postgress, Jenkins Build Jobs, Web Server Apache, Nginx, Apache Tomcat, Apache Jmeter, Windows, Linux OS**.
- I have extensive knowledge and hands-on expertise in core Java and Systems Integration.
- Experience in **OOAD technologies** including **OO Domain Analysis, Agile Development and extreme programming, Reverse Engineering**.
- Used OpenShift to run and test oracle database applications locally.
- Strong troubleshooting and interpersonal skills, active team player with proven work ethics and leadership qualities.
- Interact with business users to understand requirements, analyze and come up with optimal technology solutions to business requirements.
- Highly versatile software development experience and expertise in distributed and Scalable products.
- Deliver business use cases into software deliverable.
- Experience in implementing web applications using OO programming techniques, and expertise in integration using Java.
- Worked in building and deployment of the applications by using build tools like GitHub, Ant, Maven, Gradle and CI/CD using Jenkins etc.

Certifications: SCJP – Sun Certification Java Professional

TECHNICAL EXPERTISE

Programming Languages: Java 8, Multi-threading (Concurrent API), Design Patterns, Spring Framework, Spring MVC, Spring Boot, Spring Cloud, Hibernate, Restful Service API, Web-Services/SOAP API, JAXB, JAXP, JAX-WS, JAX-RS, SQL/PLSQL, OSGi framework, JDBC, Socket/RMI Java Remote Method Invocation, Java Swing, Junit, Mockito, Power Mockito, ReactJS, Angular, QueryDSL, JPA, Micro services, Eclipse, Splunk, Java Script, HTML 5, CSS, MuleSoft, WSO2, MongoDB, Microservices.
Operating Systems: Windows, Unix, Linux, Mac
Scripting Languages: XML, JavaScript, JSON, Shell Scripting
System Administration: Nginx, Apache, Tomcat, Amazon Web Services (AWS), OpenShift
Version Control: SVN, GIT, Clear case, Source tree
Agile Tools: Confluence, JIRA
Systems Tools: Jenkins, Maven, Gradle, Docker, CI/CD, SonarQube

EXPERIENCE

Company: Cognizant Technology Solutions, Canada

Jan2022 – Present

Client: TIAA, USA

Role: Java Full Stack Lead/Manager-Projects

Responsibilities:

I am working on STAC/MVAS application used for managing TIAA payroll and benefits System.

MVAS is a Multi-Vendor Administrative system. It controls the flow of participant data from clients (like SUNY or Caltech) and processes and cleans the data to prepare for record keeping systems (like OMNI). It also sends reporting back to the clients and financial institutions.

STAC is Service Tracking and Calculations. This system takes the manual calculation process away from record departments and automates it via calculation of participants' Service, Eligibility, Benefits and Vesting for plan administration.

The STAC/MVAS application is managed, enhanced, supported using the Spring Boot, Spring MVC framework and REST API that will be communicating to the Apache tier1 Webserver to tier 2 Tomcat and database using Oracle 19c server. The event management is handled with Kafka and File Hub notification for STAC/MVAS. The PI planning is carried out quarterly with follow up release management with sprint planning and retrospective.

- Working as a Lead and involved in translating technical requirements into technical design documents, establish specific solutions, and leading the efforts including programming and testing.
- Ensuring that technical software development process is followed on the project, familiar with industry best practices for agile software development.
- Worked on **OpenShift** tool that helps you run OpenShift locally by running a single-node OpenShift cluster inside a VM.
- We used the openshift cluster node for the Oracle 19c server.

- Responsible for working with that team to design, create and improve new and existing products, platforms and transactions.
- Development of the module for Evaluation of the performance of a reservoir by measuring flow rates and pressures under a range of flow conditions, and the subsequent application of the data to a mathematical Model.
- Conduct code reviews. Provides guidance to software developers for continuous improvement.
- Ensure development artifacts are in alignment with patterns/ frameworks designed by software engineering teams.
- Develop innovative features that are highly performant, compatible and responsive.
- Developed Front-end of the Project using JSF, JavaScript (Various Frameworks), HTML, Bootstrap and jQuery.
- Apache My Faces (JSF) to map the business objects to Oracle Database using XML configuration file.
- Automate testing processes by developing scripts as part of coding.
- Implementing persistence layer with JPA/Hibernate and JDBC.
- Documenting and testing RESTful Web Service APIs using Postman/SOAPUI.
- REST and SOAP Web Services development for communication with mobile application.
- Development of CRUD user interfaces for the configuration of catalogs, reports and dashboards
- A Good Experience in understanding of Angular8 practices and commonly used modules based on extensive work experience.
 - Create component class and interfaces for services.
 - Create component templates and CSS.
 - Create html elements and stylesheet.
 - Used angular directives and pipes, etc.
- Used AWS Cloud platform and its features which include Lambda, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation, Auto scaling, Cloud Front, S3, and Route53.
- Written Cloud formation templates and deployed AWS resourcing.
- Build application and database servers using AWS EC2 and create AMIs also using RDS for Oracle DB.
- Used ETL tools such as snap logic, Using S3 Data pipeline to move data to AWS Redshift.
- Used Amazon Cloud Watch to monitor AWS services and Amazon Cloud Watch logs to monitor application.
- Developed API for using AWS Lambda to manage the servers and run the code in AWS.

Project Environment:Angular JS, CSS, HTML 5, Java 8, Apache web server, Tomcat, Microservices, OpenShift, Jenkins, Maven, Spring core, Spring Boot, Hibernate, Web services - Rest/SOAP, SQL/PL-SQL, JDBC, Junit, Mockito, Power Mockito, JPA, Docker, Windows, Linux, Amazon web services, SonarQube etc.

Company: LTI, Canada

Nov2021 – Jan 2022

Client: Citi Bank, USA

Role:SpecialistSoftware Engineering

Responsibilities:

I worked on modernizing a KYC application used for managing Citi Bank’s investor portfolios. The current application, based on the spring framework and Java Server Faces, is to be modernized to use a Spring Boot REST API that will be called using a React front-end, communicating to the back-end database using Spring Data, Hibernate, and QueryDSL.

Project Environment: Java 8, Apache web server, Tomcat, Microservices, Jenkins, Maven, Spring core, Spring Boot, Hibernate, Web services - Rest/SOAP, SQL/PL-SQL, JDBC, Junit, Mockito, Power Mockito, JPA, Docker, Windows, Linux, Amazon web services, SonarQube etc.

Company: Tech Mahindra Limited, Canada

Feb2021 – Nov 2021

Client: Scotia Bank, Canada

Role: Technical Lead

Responsibilities:

Worked on auto credit web application from scratch used for managing Scotia Bank's autocredit application. The application is based on the spring framework and react, the Spring Boot REST API is being called using a React front-end, communicating to the back-end database using Spring Data, Hibernate and JPA.

- Performing code reviews and reviews of technical documentation.
- Analysis, Design, Development and Testing of software applying best practices of Software Engineering at every phase of the development process.
- Designing conceptual diagrams, Use cases, Component diagrams, Class diagrams, Sequence diagrams, deployment diagrams, design documents etc... By using MS-Visio.
- Working effectively with the Test & Verification team to resolve issues.
- Developed app-solutions using a variety of languages, frameworks, and platforms such as JavaScript, SQL, and HTML.
- Developed multiple modules in the application using Struts and Hibernate.
- Maintaining, tuning and repairing applications to keep them performing according to technical and functional specifications, providing user support.
- Ensuring that development tasks are completed within the timeline provided and that issues are fully tested with minimal defects.
- Implemented scripting with Ajax and XML to dynamically refresh the page contents.
- Developing optimized SQL queries and PL/SQL stored procedures in MSSQL.
- Supports users by developing documentation and assistance tools.
- Hands on JAVA development including design, development, testing production rollout.
- Developed views using Bootstrap components, Angular-UI and involved in configuring routing for various modules using angular UI router.
- Created Custom Directives in Angular-JS, making use of Modules and Filters objects according to the application requirement. Involved in making Spring and Hibernate enhancements to existing applications Developed unit test cases using Mocha and Karma as unit test runner for various application modules.
- New library development with micro services architecture using Rest APIs, spring boot and pivotal cloud foundry.
- Created a RESTful Web API service using Java and Spring boot framework to generate data which was consumed in the front-end by Angular 6.
- Performed AWS Cloud administration managing EC2 instances, S3, SES and SNS services.
- Created Buckets in AWS and stored files. Enabled Versioning and security for files stored.
- Work with team to build out automation templates in Fugue or **AWS Cloud Formation** in support of the managed services platform.
- Proficient with deployment and management of AWS services - including but not limited to: VPC, Route 53, ELB, EBS, EC2, S3.
- Designed and developed asynchronous RESTful Micro services using Spring boot, Couchbase and JAX-RS that are consumed by other microservices with an average response time of 30 milliseconds.
- Used Spring LDAP for user security credentials authentication and for validating the User roles.
- Developed Restful services using Spring Boot and Jersey integration and involved in creating Jersey filters, interceptors and exception mappers.
- Performed AWS Cloud administration managing EC2 instances, S3, SES and SNS services.
- Created Buckets in AWS and stored files. Enabled Versioning and security for files stored.
- Coded Gradle build scripts to build and deploy the application on WebSphere. ETL jar is configured to run on daily and monthly basis this job is configured in Cron tab.

- Designed and Developed UI for Portfolio Review Dashboard application using Angular-JS, HTML, CSS, Bootstrap, LESS, JavaScript and jQuery.
- Work with team to build out automation templates in Fugue or AWS Cloud Formation in support of the managed services platform.
- Proficient with deployment and management of AWS services - including but not limited to: VPC, Route 53, ELB, EBS, EC2, S3.

Project Environment: Java 8, Apache web server, Tomcat, Microservices, Jenkins, Gradle, Spring Boot, Hibernate, Web services - Rest/SOAP, SQL/PL-SQL, JDBC, Junit, Mockito, Power Mockito, JPA, Docker, Windows, Azure cloud, SonarQube, Fortify, Blackduck etc.

Company: CGI, Canada

Dec 2017 – Feb 2021

Client: Deutsche Bank, Germany

Role: Senior Consultant

Responsibilities:

The HORIZON Banking System provides a fully functional, mission critical, branch financial system. Branch personnel including, tellers, member service representatives, and administrative staff utilize this system to service their members performing deposits, withdrawals, account maintenance, customer profile, and financial transactions. Hence, Horizon banking is tailored by ensuring robust and scalable transaction experiences to all the stakeholders. This application is a modularized front-end piece of the main banking application which is based on J2EE6/7 technology. This application can run on several application servers or containers, for instance, Tomcat and JBoss application server. It also supports multiple browser platforms such as IE8+, Chrome, Firefox, Android Tablet, iPad, and Windows 8.

As a Senior Consultant, I have also worked with existing banking application which was modernized for managing Service Credit Union's Banking System. The modernized banking application was based on the spring framework and Java Server Faces, is to be modernized using the Spring Boot microservices and REST API that will be communicating to the Middleware JBoss Application Server (Middleware/EJB Container), database using MongoDB for oauth2.0 which further communicates to the back-end Cobol Mainframe system.

- Involved in Agile SCRUM development process was used for the product life cycle management.
- Created Use Case, wrote design approach documents, development, implementations, support, for functional security modules like Self Registration, Change Password, Approve Failed Registrations, and Update Other's Profile on a weekly basis.
- Involved in designing, developing, and testing of ETL strategy to populate data from various source system (Flat files, Oracle and SQL Server) feeds using Informatica and PL/SQL.
- Designed and Developed complex UI screens using HTML5, CSS3, JavaScript, AJAX, GWT, jQuery, EasyUI and JSP.
- Developed PL/SQL scripts for ETL and developed database procedures and functions.
- Implemented Struts 2.x framework in the application. Responsible for configuration and integration of Spring 4, Struts 2.x and Hibernate 4.3.x.
- Expert in HTML5/CSS3 development and have experience in Backbone.js, Require.js, node.js, angular.js, Ext.js, Responsive design.
- Designed User Interface using Java Server Faces XHTML PAGES.
- Implemented JSF framework extensively which involves building the whole user Interface components using JSF tab panels, Panel groups and data tables.
- Developed additional UI Components using JSF and implemented an asynchronous, AJAX communication (jQuery) based rich client to improve customer experience.

- Designed and developed Controllers, Action Mappings, Interceptors, Forms and View pages for management of policy claims using Struts2.x framework.
- Implemented Persistence layer using Hibernate 4.3.x to interact with the MySQL database.
- Used SAX and DOM parser for parsing xml documents and XSLT API to handle XML parsing in Object Oriented way.
- Implemented different Design patterns like DAO, Singleton, Factory, Delegate, and Front Controller.
- Implemented rest web services using REST, JSON and JAX-RS and SOAP web services using JAX-WS.
- Developed application service components and configured beans using Spring IoC, creation of Hibernate mapping files and generation of database schema.
- Design the frontend Web form-based application using Angular JS 2.0, Ajax, CSS and HTML 5.
- Designed and developed Message driven beans that consumed the messages from the Java message queue & Configured JMS service class to transfer the orders between agents and policy holders.
- Implemented jQuery AJAX calls in JSP web pages to render the response on to UI.

Project Environment: Red Hat Open JDK Java 8, JBoss, Nginx, Apache Tomcat, MuleSoft 4.0 - Data weaving, any point Studio 7.0, WSO2-API Management 3.1.1, MongoDB, Jenkins, Maven, Gradle, Spring Cloud, Spring Boot, Hibernate, Web services - Rest/SOAP, SQL/PL-SQL, JDBC, Junit, Mockito, Power Mockito, JPA, Docker, Windows, Linux, Amazon web services, Microservices, Apache JMeter-Load testing etc.

Company: Wipro Limited, USA

Apr 2014 – Dec 2017

Client: Capital One, USA

Role: Lead Engineer/Technical Lead

Responsibilities:

As a lead I worked on B2C (Business to Customer) application and credit card-based application of the Capital One bank.

- Design and code development based on engineering requirements.
- Work with design engineering teams for architectural changes for new implementations.
- Review of Requirement Specification documents, code, Test documents etc.
- Planning the test activities and preparation of test scenarios as per customer requirements.
- Make additional set-ups to implement new business processes, develop integration test scripts to repair business flow.
- Write stored procedures, development of database scripts, review test cases / test procedures, unit / regression/ integration testing of converted load module. Fixing, verifying and tracking defects.
- Handling of customer service requests according to Tier2 working level.
- Establishing end to end lab set-ups for testing customer use case scenarios. Fixing and tracking of trouble reports during Pre-General Availability phase or maintenance.
- To perform Solution Quality Management process activities by capturing the technical knowledge during customer service request handling.
- Work with testing teams to provide root case analysis reports for various types of Customer service requests.
- To perform Emergency Handling requests in accordance with the Customer Support Emergency Handling Work Instructions.
- Interact with business users to understand requirements, analyze and come up with optimal technology solutions to business requirements.
- Conduct system analysis and work estimate for new tasks.
- Collaborate with other internal and external teams on various relevant projects.

Project Environment: Java 7, Hibernate, Spring Framework, Spring MVC, Java Swing, RMI, Socket, Spring Boot, JUnit, JAXB, Amazon Web Services AWS, Microservices, Rest API, Jenkins Build Jobs, Web Server Apache, Nginx, Windows, Linux OS, Docker, Splunk, CI/CD, Shell Scripting, Angular 1.4, SonarQube, Hazel cast, etc.

Company: Agnity, India

May 2013 – Apr 2014

Client: Nokia Siemens Networks, India

Role: Senior Software Engineer /Senior Member Technical Staff

Responsibilities:

As a senior software engineer, I helped with feature enhancement, change request (CR) and platform upgradation of the project.

- Performed Analysis, development, testing, and implementation of MIRSNGIN Frameworks code based on business/technical specifications and development standards.
- Providing technical support of L3 level at the client location for the projects.
- Acted as the senior software engineer. Completed component design, development and implementation of the project.
- Successfully designed and coded the various modules using Java, Oracle
- Performed Analysis, development, testing, and implementation of Aconyx prepaid and postpaid) Framework's code based on business/technical specifications and development standards.
- Delivered all the integration test case and reports on time. Successfully resolved the coding and integration testing of prepaid front end, and backend system.
- Helped with deployment and implementation of the project.

Project Environment: Java 6, J2EE, Java Swing, RMI, Socket, Spring Framework, Open cloud Rhino, JBoss, Hibernate, SQL, FSM Tool, XML

Company: Siemens Technology and Services Pvt Ltd, India

May 2010 – Apr 2013

Client: Siemens AG, Germany

Role: Associate Consultant

Responsibilities:

The SPPAT3000 process control system has been developed based on the needs of today's power plants with integrated system architecture for all automation tasks, from engineering and commissioning to operation and diagnostics.

- Successfully designed and coded the various modules using Java, C/C++.
- Acted as the software engineer. Completed component design, development, and implementation of the project
- Design, tracking and coordinating project activities to meet project deliverables.
- Develop enhancements, system documents, and product support and implementation procedures for quality improvement and development

Project Environment: Java 5, C/C++, JNI, Java Swing, JAVA-RMI, Java Socket Programming, JDBC, OSGI framework, XML, XSD, SQL, DTD - Document Type Definition

Company: Vihaan Networks Limited, India

Jul 2009 – Apr 2010

Role: Senior Software Engineer/Member Technical Staff

Responsibilities:

Operation Management Centre (OMC) used in the GSM system. These OMC used by the network operators to control and monitor network operations.

- Performed Analysis, development, testing, and implementation of Operation Management System (OMC) Framework's code based on business/technical specifications and development standards.
- Participated with QA Analysts, Business Analysts, and business units in resolving issues found during system testing, integration testing, and user acceptance testing.
- Successfully designed and coded the various modules using Java, -RMI, Java Socket Programming, Swing, AWT, Oracle, Corba, SNMP Advent API 1 interface, and MIB and debugging tools like TOAD

Project Environment: Java 5, JAVA-RMI, Java Socket Programming, Java Swing, AWT, Oracle, Corba, SNMP Advent API 1 interface, and MIB and debugging tools like TOAD

Company: Aricent, India

Jul 2007 – Jul 2009

Client: Nokia, India

Role: Software Engineer

Responsibilities:

DIRECWAY provides high-speed Internet Protocol (IP) satellite connectivity between a corporate headquarters and multiple remote sites. DIRECWAY enable the operator to perform both network operations (such as monitoring network status and statistics) and overall network management activities (such as configuration and control).

- Collaborate with other internal and external teams on various relevant projects.
- Write stored procedures, development of database scripts, review test cases / test procedures, unit / regression/ integration testing of converted load module. Fixing, verifying, and tracking defects.
- Planning the test activities and preparation of test scenarios as per customer requirements.

Project Environment: Java 1.4, JAVA-RMI, Java Socket Programming, Swing, AWT, Oracle, Corba, VisiBroker, SNMP Advent API 1 interface, and MIB and debugging tools like TOAD

EDUCATION and Achievements

Master of Computer Applications (MCA), Birla Institute of Technology, Mesra, Ranchi, India **Jul-2004– Jun, 2007**

Post Graduate Course in Information Technology (PGCIT), DOEACC (Formerly Regional Computer Centre, Calcutta) Jadavpur University Campus, Kolkata, India **Dec-2001 – Apr, 2003**

TRAINING AND CERTIFICATIONS

- SCJP (Sun Certified Programmer for the Java 2 Platform, SE1.4, 2008)
- SNAP Team Awards, Mar 2008, Aricent
- H1-Maestro individual Awards, Jan 2015, Wipro Limited
- Project Team Impact Awards, June2018, CGI
- Applaud: Celebrating CGI's values, September 2018, CGI
- Applaud: Celebrating CGI's values, November 2019, CGI
- Applaud: Celebrating CGI's values, March 2020, CGI