

PROFESSIONAL SUMMARY

- Having **6+ years** of extensive IT experience in all phases of **Software Development Life Cycle (SDLC)** which includes development, design, analysis, testing and Integration of various web based and **client/server applications** in multi-platform environments with **Java/J2EE** technologies.
- Expertise in developing **web pages** using **HTML5, CSS3, Bootstrap, Java FX, JavaScript, jQuery, AJAX**, and have knowledge on **Server scripting** language
- Developed the application using **Java 8, Java 11** and implemented its features like **lambdas Expressions, Time API, Streams, functional interfaces, collectors, default methods, type interfaces**, for each.
- Developed **Service Oriented Architecture (SOA)** and **Micro Service Architecture** based **J2EE** applications.
- Managed **Amazon Web Services** like **EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Elastic search, Virtual Private Cloud (VPC)** through **AWS Terraform** Console and **API** Integration.
- Experienced in developing web-based applications using **Java/J2EE, Servlets, Struts (Struts, Tag Libraries and Struts custom validation rules, Tiles), Spring IOC, Spring MVC, Spring AOP, Spring Security, Spring Boot, Spring Web Flow, Spring Data, JDBC, Web Services (SOAP & Restful services)** and **ORM** frameworks like **Hibernate**.
- Excellent in developing **REST** and **SOAP** based **Web Services** using **JAX-RS, JAX-WS, WSDL, JAX-B, Apache Axis, Apache CXF** and **Jersey** frameworks.
- Experience in developing applications using **SDLC** methodologies like **Waterfall, RUP, Agile (TDD, SCRUM)** and **Test-Driven Development Extreme Programming (XP)**.
- Experience using **Hibernate** for mapping Java Classes with database and using **Criteria API** and **Hibernate Query Language (HQL)**.
- Experience in development, deployment and troubleshooting Web based and enterprise-based applications on **Windows, UNIX and Linux** platforms **IRS and NIST 800-53 rev4**
- Hands-on experience working with Continuous Integration (CI) build-automation tools such as **Maven, Jenkins** and **Apache Ant**
- Sound knowledge in working with browsers compatibility issues with browsers like **IE, Firefox, safari, Opera, Chrome**
- Experience in using various configuration management tools like **Visual Source Safe, IBM Clear Case, SVN** and **CVS**
- Good knowledge and hands on experience in working with **Selenium, UML, JUnit** and **TDD**
- Extensively worked on **Pivotal Tracker** and **JIRA** tools for tracking stories in a Project
- Good experience in developing applications using **Agile (XP and Scrum)** and **Waterfall** methodology
- Flexible **team player** who prospers in a fast-paced work environment. Excellent **communication, interpersonal, analytical** and **prioritization skills**.

TECHNICAL SKILLS:

Programming Languages	Java, C++, C
Java Technologies	Java, J2EE, JDK 1.8/1.7, JDBC, Servlets, JMS, EJB, Swing
Frameworks & Build tools	Spring, Struts, MVC, Hibernate, Log4j, ANT, Kafka, Maven, Cucumber
Databases	Oracle PLSQL, MySQL, NoSQL, MongoDB
Web Technologies	React.js, Angular, Node.js, HTML5, XML, XSL, XPath, AJAX, JSF 2.0, JSP, CSS3, JSON, JQuery, GraphQL
Version Controls	SVN, CVS, Rational Rose, GIT
Design Patterns	Singleton, UML, Data Access Object (DAO), MVC, Session Façade
Application Servers	Apache Tomcat, IBM WebSphere Application Server, Weblogic, Jboss
IDE Tools	IntelliJ, Eclipse, Net Beans, STS, RAD
Scripting Languages	Java Script, Unix Shell scripting, Python
Operating Systems	Windows, Unix, Linux

Professional Experience

CiraInfotech, GA - Cyber Security Intern

Dec 2021-Dec 2022

Java Fullstack Developer

Responsibilities:

- Involved in development and implementation phases of the application in **SDLC**.

- Followed **AGILE** Methodology to promote iterations, collaboration, and process adaptability and participated in **SCRUM** Meetings throughout the life cycle of project.
- Used **Spring Framework** for **dependency injection** for **Action classes** using **Application Context XML file** using **MVC** design patterns.
- Used **Spring Front Controller** class to map all the client requests to it and navigated to Business Controller classes accordingly.
- Utilized the **Spring AOP** feature for implanting crosscutting concerns like logging and Transaction Management and separated the business logic from System Services.
- Used **Spring Validations** Framework for validating the properties of java beans.
- Used **Spring 3.1 Framework** for **Dependency injection**, Spring Web Services framework.
- Prepared calls through **Hibernate** and **Spring JDBC** for Interacting with the Database.
- Used Java API and converted Java Objects to XML conversions using **XML Web Services (JAX-WS)**.
- Developed web Services for sending and extracting data from different applications using **SOAP** messages.
- Implemented **Log4J** framework and customized to meet the application requirements.
- Wrote **ANT** scripts for building application artifacts, clean-up jobs and system components during system testing, integration testing and production environment.
- Involved in writing complex queries in business logic layer and worked on creating the setups for Organization Templates, Concurrent Requests, Cross Reference Types, User Creations, Assigning responsibilities in **Oracle** Applications.
- Used **Fire Bug** to keep a track of bugs and **CVS** as version control manager.
- Deployed the application in **JBoss Application Server** after test QA team.

Environment: Java, Jdk1.6, JavaScript, AJAX, Spring, Spring AOP, Spring Security, XML, JSP, Spring MVC, Hibernate, SOAP, WSDL, Oracle, TDD, Log4J, JUnit, ANT, WebSphere, JBoss, CVS, FireBug, Agile Methodology.

George Mason University, VA - Graduate Teaching Assistant

Aug 2021–Dec 2021

- Aided the professor in preparing course material for Operating Systems to bring registration from 60% to 85%. Tutored and mentored 600 students from the Information Systems Department in Operating Systems related to Scheduling, Performance Measures, Embedded Systems, and OS Related Technologies.
- Graded more than 30 assignments, exams, quizzes and monitored attendance.

Client:- American Express, SLC, UT

Aug 2019 – Jul 2021

Role:- FullStack Developer

Project Description: American Express Global Commercial Payments has Virtual Payments capability, which is an internet-based payment solution. Clients can use vPayment to request virtual credit cards over the internet. It spans across the globe.

ROLES & RESPONSIBILITIES:

- Conducts meetings for requirement gathering, analysis, design and implementation of application features and demonstrating the End results to the product owners.
- Responsible to provide application support and bug fixes for the applications during production and maintains the complete life-cycle of the application that was developed.
- Design and develop both front-end and back-end of the virtual payments web application as a full stack developer for American Express using the latest technologies like Java 8, React JS, SpringBoot.
- Developed UI of the web application using JavaScript, JQuery, HTML and CSS.
- Developed different Restful micro services to support the application.
- Developed different reusable components to use it on the UI using ReactJS.
- Uses Splunk, AppDynamics and ECP console to analyse the server logs.
- Writes test cases using Selenium (Automated testing) and JUnits (Unit testing). Also used Postman and SOAPUI for the testing of webservice.
- Developed application using ReactJS, JavaScript on the presentation layer, the business layer is built using Java 8 and the persistent layer uses Hibernate, JPA.
- Configured different batch tool jobs to trigger timely functions as the application spans across the globe need to support different time zones, markets, currency.
- Used Maven as build tool.
- Developed the code in Spring MVC architecture.
- Involved in Test Driven Development (TDD) by using Junit 4, PowerMock.

- On rotation basis worked as production support engineer for two Product Iterations and used ServiceNow to handle incidents.
- Also, deployed code in OneData platform which offers Function as a service, for that wrote functions as verticles using Vertx and integrated it with GraphQL.

Environment: Java8, core Java, HTML, CSS, JavaScript, jQuery, Spring, SpringBoot, ReactJS, NodeJS, GraphQL, FaaS, Vertx, Jenkins, Hibernate, Maven, Selenium, SQLManager, Splunk,

Client: Trinet Group Inc., Austin, TX
Role: Java J2EE Developer

Jul 2018 – July 2019

Project Description: TriNet administers payroll and health benefits and advises clients on employment law compliance and risk reduction. Worked in a Work Force Analytics team which develops data processing projects.

- Involved in **SDLC requirements gathering, analysis, design, development and testing** of application, developed using **AGILE/Scrum** methodology.
- Used **Spring MVC Design Pattern** to hold the UI data and serve the request and to send the response.
- Expertise in Server Side development using SOA architecture, MQ Series and Web Services,
- Designed and developed **Microservices** business components using **Spring Boot**.
- Experienced first-hand the best/worst practices for integrating **Microservices** into existing system architecture.
- Consumed **REST** based **Microservices** with Rest template based on RESTful APIs.
- Integrated **Spring DAO** for data access using **Hibernate** to fetch data from database and avoid redundant database access statements.
- To lookup queues, used **Spring JMS** module and MDBs for listeners.
- Extensively used **HQL** and **SQL** for querying databases.
- Created **Stored Procedures**, functions, views, indexes and constraints, **triggers** required **SQL** tuning to reduce the response time in the application.
- Using **HTML, AngularJS, JQuery and JavaScript** created GUI interface of the web page.
- Created **AngularJS** controllers, services and used Angular filters for filter functionality in search box and integrator functionalities.
- To identify user login information written **UNIX** shell scripts.
- Developed and executing unit test cases using **JUnit**.
- Used **Maven** building tool for creating EAR file deployed in application servers and used for dependency management of code in application.
- Resolved bugs/defects in application by coordinating with team members of the project to assure a positive outcome.
- To keep track of issues and tasks on individuals used **JIRA** ticketing system.
- As a version, control tool used **Tortoise SVN**.
- Used **Eclipse** integrated IDE to build the application.

Environment: Java, HTML5, CSS3, JavaScript, AJAX, Angular JS, Spring MVC, Spring Boot, Spring Security, Spring Data, JSP, Hibernate, Servlet, JDBC, Restful, OAuth2, JAX-RS, Jersey, XML, AWS, Microservices, Oracle, Eclipse 1.8, WebSphere, Tortoise SVN, GIT, JUnit, Maven, JIRA, Agile/Scrum Methodology.

Client: Health Connection
Location: Minneapolis, MN
Role: Java/J2EE Developer

Jun'16 – Jun'18

Description: Health Connection is a Minnesota non-profit that acts as an intermediary, working with government and community social service agencies to help people with very long histories of homelessness move into and prosper in supportive housing. The purpose of Pilot is to provide an automated system that enables the consistent collection, management, and reporting of information for the Supportive Housing and Managed Care Pilot.

Responsibilities:

- Involved in **analysis, design and development and testing** phases of **SDLC** using **Agile Methodology**.
- Documented detailed technical design documents including **class diagrams, technical flow diagrams and sequence diagrams**.
- Developed **Struts** application using design patterns like **Front Controller, DAO and Business Delegate**.
- Created web application using **Spring MVC** framework
- Using **Spring Framework** implemented **dependency injection, Action classes** through **Application Context XML** and initialized managed beans and services.

- For reporting, logging and Transactions purposes used **Spring AOP**.
- Used **Spring Front Controller** class to map all the client requests to it and navigated to Business Controller classes accordingly.
- Works on MV Frameworks like Bootstrap, **AngularJS**, **NodeJS**
- Designed and documented **REST/HTTP APIs**, including **JSON** data formats and **API** versioning strategy.
- Created and consumed **SOAP** Web Services using **JAXB** annotations.
- Developed persistence layer Data access objects using **DAO pattern**, **JDBC**, **Hibernate**.
- Developed custom queries using hibernate criteria, native **SQL** and **HQL**.
- Setting up huge **Kubernetes** platform with four clusters and providing assistance to various app teams
- Designed **Hibernate mapping files** based on business logic and Object relationships.
- Configured **EH Cache** to load the static tables into secondary storage area.
- Developed user interfaces using **JSP**, **GWT AWD** frame-work with **AJAX**, **JavaScript**, **Angular2** and **HTML**, **DHTML** and **CSS**.
- Developed presentation layer using **GWT** widgets and event handlers.
- Implements responsive design template to get a new interface in **Bootstrap**, **HTML**.
- Developed Single page application and structured the **JavaScript** code using **AngularJS& Angular2**.
- Classes to interact with business logic and used Spring Framework for **AngularJS** layer design patterns.
- Designed and coded application components utilizing a test-driven development approach (**TDD**).
- Focused on **Test Driven Development** thereby creating detailed **JUnit** tests for every single piece of functionality before actually writing the functionality.
- Used **AWS EC2** For Instance Moduling
- Created **Shell Script** to invoke Java programs on **UNIX** batch platforms.
- Used **Jenkins** as build management tool for continuous integration process.
- **JIRA** used to keep a track of bugs and **GIT** as version control tool.
- Deployed applications on **WebLogic** application server.

Environment: Java, HTML, XHTML, DHTML, CSS,GWT, Bootstrap, JavaScript, JSON, JQuery, AngularJS, Spring (dependency injection, AOP, MVC), Struts, Restful, SOAP, JAX-RPC, WSDL, Hibernate, Oracle, TDD, WebLogic, STS, UNIX, JUnit, JIRA, GIT, Jenkins.

Coding Sastra, India - Data Science Intern

Developed a working model with 89.6% efficiency using Machine Learning to classify the total number of cancer patients into categories based on the symptoms.

- Assessed decision trees and regression models with 60% efficiency to deal with the data sets. Finally, compared the efficiencies of the models.
- Analyzed the run time of the regression models and defined the time complexity. Achieved an efficient run time by using only 80% of CPU utilization limit. Mastered concepts related to NLTK, Pandas, NumPy, Python, Sklearn.

Academic Projects

Student's Performance Evaluation (Performance Evaluation Problem)

Jan 2022-May 2022

- Accelerated the goal to build a prediction model with an accuracy of 85% or above.
- Introduced Inferential Statistics to compare the characteristics of the data chosen with 90% accuracy.
- Proposed Language and frameworks such as Python, Numpy, Seaborn, Matplotlib, Convolution Neural Networks. Improved the efficiency of the model from 73.6% to 89.2%.

Online Doctor Appointment Reservation During Covid-19 (Database Design)

Jan 2021-May 2021

- Designed an ER diagram for doctor appointment reservation and produced normalized schema with 90% utilization quotient. Co-ordinated with team of 5 to develop database and implemented procedures and triggers.
- Generated the database using SQL, Java, PL/SQL, Procedures, Triggers, ER Diagrams, DB Schema with failure rate less than 5%.

Text Classification Using Machine Learning (Data Analysis)

Aug 2019-Apr 2020

- Introduced 3 different working models to classify text performing sentiment analysis. Dealt with concepts like Naive Bayes, Convolution Neural Networks with accuracy rate of 98%.
- Directed Language and frameworks such as Python, Keras, Natural Language Processing Toolkit, Convolution Neural Networks. Revamped efficiency from 79% to 87.5%.

Online Auction System (Web Programming)

Jan 2019-Mar 2019

- Revamped a website where users can look up products based on interests and availability and purchase online, having an availability of 99%.
- Liaised with the project team to implement AJAX, HTML, CSS3, Bootstrap, JavaScript and HTML functionality in JQuery.

Online Doctor Appointment (Web Programming)

Jan 2019-Feb 2019

- Designed a website where patients can look up for doctors based on specialization and availability and book an appointment online prior to 6 months before the desired date. Included HTML, CSS3, PHP and JavaScript to design the UI and to retrieve data from the database.
- Collaborated with the project team of 4 to implement AJAX and HTML functionality in JQuery.
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EDUCATION

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- **Gitam University, India** - *Bachelor of Technology in Computer Science (9.22/10)* ***Jun 2016***