**VARUN BANGA**

**FRONT END DEVELOPER**

**Contact :- (239) 361-2722 | E-mail** **– varunbanga98@gmail.com**

**PROFESSIONAL SUMMARY**

* Around 12+ years of professional IT experience in Web Development, Testing and documentation of professional web-based applications using Java (Core, 8,11, 17 etc.), J2EE technologies, Java Servlets, Java Server Pages (JSP), Java Server Faces (JSF), Spring Framework, Java Persistence API (JPA), Hibernate and Restful Services.
* Experience developing the Enterprise and Web applications on n - tier Architecture using Java/J2EE based technologies such as Struts, Web services, XML, JSON, and JDBC.
* Experience working in settings that employed the agile and test-driven development (TDD) approaches.
* Extensive experience of Java concepts such as Collections, Exception Handling, Multi-Threading, Abstraction, Inheritance, Encapsulation, and Polymorphism, as well as object-oriented programming.
* Extensive experience in integrating JavaScript with HTML to enhance web functionality and interactivity, including DOM manipulation and event handling.
* Hands on experience with emerging technologies and healthcare trends, attending industry conferences and participating in relevant training programs to maintain a cutting-edge skillset.
* Extensive experience in using MVC (Model View Controller) architecture for developing applications using JSP, Servlets, Struts, Spring, EJB, MDBs, Session Beans, JDBC and JNDI.
* Hands on experience in state management with tools like Redux and React Context API, ensuring data consistency and efficient updates across the application.
* Proficient Knowledge in utilizing Node.js's event-driven, non-blocking architecture to handle concurrent requests and optimize resource utilization in Java applications.
* Experience with applications built using the Spring Framework, including Spring Core, Spring AOP, Spring IOC, Spring MVC, Spring Batch, Spring JPA, Spring Security, and Spring Boot, and integrating Micro Services into the Architecture of Existing Systems.
* Expertise in working with various versions of Angular, including, and staying up-to-date with the latest Angular developments.
* Proficient Knowledge in creating responsive and user-friendly web interfaces using HTML, HTML5, and CSS3 to ensure seamless user experiences.
* Experience building Kafka pipelines for real-time processing streaming real - time feeds from external rest applications to Kafka topics.
* Experience Designing and developing microservices based applications using Spring Integration and Spring Boot framework.
* Experience in CSS to create responsive and visually appealing user interfaces for Java-based web applications, ensuring a seamless user experience.
* Experience using different Amazon Web Services (AWS) components, such as EC2 for virtual servers, Lambda for serverless development, S3 and Glacier for object storage, EBS, Cloud Front, Elastic cache, and Dynamo DB for data storage.
* Expertise in Java for server-side development, including building RESTful APIs and web services using frameworks like Spring and Servlets.
* Extensive experience working in a Devops environment setting up CI/CD pipelines using tools such as Jenkins, Docker , Jira, GitHub, Maven etc.
* Hands on experience using Kubernetes  for automating deployment, scaling, and operations of application containers across clusters of hosts, providing container centric infrastructure.
* Proficient Knowledge in using CSS frameworks such as Bootstrap and Foundation to expedite the development process, enhance UI consistency, and maintain code scalability.
* Experience with container based deployments using Docker, working with Docker images, Docker hub and Docker registries, installation and configuring Kubernetes and clustering them.
* Experience in developing applications in a single page (SPAs) using various JavaScript frameworks like Angular, React etc.
* Experience in developing and deploying a Microservice application utilizing almost of the AWS Stack including S3, EC2, DynamoDB, Kinesis, SNS and SQS.
* Hands on experience creating and maintaining architecture for Restful API using Spring Boot.
* Extensive experience in designing and implementation of continuous integration, continuous delivery, continuous deployment through Jenkins.
* Experience working with both MySQL and NoSQL databases (MongoDB, Redis) for efficient data storage and retrieval in Java applications.
* Experience working on AWS Lambda for event driven work flow, Working on Databases, Creating and Hosting micro services on EC2 Instances, and automating things using JSON Scripts.

**WORK EXPERIENCE**

**LEAD JAVA DEVELOPER**

**WRIGHT SERVICE CORP** SEP 2021 to Present

* Lead and mentored a team of Java developers, providing technical guidance, code reviews, and fostering a collaborative work environment along with developing end to end java solutions.
* Developed modern, responsive user interfaces using React.js, creating interactive and dynamic web applications for clients.
* Developed and maintained Liferay-based web portals, utilizing Java as the primary programming language.
* Lead daily stand-ups, sprint planning, and ensuring timely delivery of high-quality software.
* Recognised as the organization's Premier Support contact, opens JAVA cases and follows up until the problems are fixed.
* Developed custom portlets using Liferay's Portlet API, integrating them seamlessly into Liferay portal environments.
* Developed responsive and dynamic web applications using Angular, leveraging TypeScript for building interactive user interfaces.
* Designed and connecting HTML/Java applications to databases (e.g., MySQL, Oracle, MongoDB) for data retrieval and storage using JDBC and ORM frameworks like Hibernate.
* Interacted with clients and studied business requirement specification documents to analyse and collect business requirement specifications.
* Designed and implemented modular Angular components, promoting code reusability and maintainability across the application.
* Developed custom CSS styles to meet project requirements, optimizing the presentation of dynamic content generated by Java back-end systems.
* Designed, developed and maintained a Wealth Management Microservices Platform. A robust and scalable platform for managing client portfolios and providing personalized financial advice.
* Implemented responsive design techniques using CSS media queries, allowing Java applications to adapt gracefully to various screen sizes and devices.
* Used oracle as a database to store application data, such as user information and transaction data.
* Design and implemented microservices architecture for the Platform using Java and Spring Boot.
* Designed and implemented reusable and maintainable React components, improving code efficiency and facilitating collaboration within the development team.
* Developed RESTful APIs for seamless integration and communication between various microservices.
* Created and delivered highly efficient application-based solutions to optimize the company’s transaction handling process.
* Developed UX/UI designers to implement their designs into HTML/CSS and ensure a visually appealing and user-friendly interface.
* Used Spring Kafka API calls to process the messages smoothly on Kafka Cluster setup.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.
* Employed Java/J2EE, Spring Boot, and implemented REST web services based on RESTful APIs for designing and developing micro service business components.
* Integrated RESTful APIs into React applications to fetch and display data, enhancing the user experience with real-time information.
* Integrated Oracle databases with third-party applications using APIs and web services.
* Used transaction Management using EJB and custom framework.
* Ensure that applications are secure and that they can interact with multiple APIs and databases.
* Created and delivered highly efficient application-based solutions to optimize the company’s transaction handling process.
* Created and maintained documentation for CSS code, making it easier for team members to understand and utilize the styles in Java projects.
* Designed and developed the persistence layer using Hibernate persistent objects, for interaction with the databases.
* Using Spring Security, implemented RESTful Web services to handle security and authorization, processed data for project delivery to clients, and made REST API requests.
* Responsible for creation microservices with spring boot and spring cloud and deploy to AWS.
* Integrated EFK (Elasticsearch, Kibana) stack as the logging solution for the deployed Kubernetes cluster.
* Worked with the latest CSS trends, best practices, and emerging technologies to continually improve the front-end development process in Java applications.
* Implemented a CI/CD pipeline with Docker, Jenkins and GitHub by virtualizing the servers using Docker for the Dev and Test environments by achieving needs through configuring automation using Containerization.
* Designed and implemented custom Liferay themes and layouts to enhance the user interface and user experience of web applications.
* Developed API for using AWS Lambda to manage the servers and run the code in AWS, and Deploy configs, wars, and jars to AWS S3 buckets and manage versioning.
* Designed UI/UX designers to implement pixel-perfect designs, optimizing user interfaces for usability and aesthetics.
* Designed and developed the framework to consume the web services hosted in Amazon EC2 instances.
* Used Node.js as a proxy to interact with Rest services and interacting with database.
* Used Spring Framework as backend application framework, persistence strategy using spring support for Hibernate for integrating with database for back end.
* Managed configuration of Kafka Cluster, Brokers, Topics, used Kafka Consumer, Producer, Streams API.
* Worked with AWS cloud service in creating EC2 instances and providing them roles and sometimes participated in writing custom policies and deployed applications on Elastic Bean Stalk and EC2.
* Worked on CI CD pipelines to integrate the Java code to align with DevOps practices using Docker.
* Created Spring RESTful web services using Jersey Spring implementation to transport XML and JSON content.
* Used Hibernate, object/relational-mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with a SQL-based schema.
* Used Jira to break down development work into smaller tasks and sub-tasks. Assigned tasks to team members, set due dates, and tracked their progress.
* Maintained Kafka Cluster by created Topics. Partitions for point to point messaging.

**LEAD JAVA DEVELOPER**

**CENTRAL HUDSON** DEC 2019 to AUG 2021

* Coordinated with dependent teams from the customer side and iron out any dependencies blocking the
* progress for the delivery team, by reaching out and scheduling meeting with the right stakeholder from the client side to clarify any pending queries.
* Developed React applications for speed and performance, reducing load times and improving overall user experience.
* Implemented best practices in HTML and Java coding to optimize application performance, reduce load times, and enhance user experience.
* Designed robust routing and navigation systems in Angular, enabling users to navigate seamlessly between different views and pages.
* Identified and fixed gaps in communication and processes and ensure smooth and seamless experience.
* Promptly escalated issues, which affect product delivery and quality that are beyond scope of influence and report the same to reporting manager.
* Designed various Liferay APIs, such as User and Group, Asset, and Workflow APIs, to extend portal functionality and meet specific project requirements.
* Developed cross-browser compatibility by writing CSS code that works consistently across major web browsers, enhancing the accessibility and usability of Java applications.
* Developed full-stack web applications by integrating Node.js with Java backend services, providing efficient and responsive user experiences.
* Lead the development of an authentication and authorization application using Java and Spring Security to control access to the application for patient user information and enforce user roles and permissions.
* Implemented security measures like input validation and protection against cross-site scripting (XSS) and SQL injection attacks to safeguard web applications.
* Worked on the development of a Clinical Decision Support Systems. A Java-based application that uses real-time patient data analysis to help healthcare professionals make decisions about patient care.
* Integrated third-party systems such as electronic health records (EHRs) and billing systems with custom Java applications using APIs.
* Implemented responsive design principles using CSS frameworks like Bootstrap, making applications mobile-friendly and accessible and using react.
* Created various server APIs to collect and transmit data to various existing healthcare systems.
* Integrated CSS seamlessly with Java-based frameworks like Spring MVC and JavaServer Faces (JSF) to create dynamic and interactive web applications.
* Worked with SQL and NoSQL databases, such as MySQL and MongoDB, to store, retrieve and process data.
* Implemented Spark Kafka streaming to pick up the data from Kafka and send to Spark pipeline.
* Set up CI/CD pipelines for Microservices on AWS using App services.
* Developed debugging techniques, using browser developer tools and React DevTools to identify and resolve issues efficiently.
* Developed a centralized mailing application that allows many internal apps to send emails using a RESTful architecture using Java, and used Jersey Spring implementation to supply XML and JSON information.
* Created Kafka producer API to send live-stream data into various Kafka topics.
* Worked on core AWS services such as Setting up new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IP's, auto-scaling and Cloud Formation.
* Worked with Spring MVC and Hibernate in the backend to build the business logic.
* Developed custom Jenkins jobs/pipelines that contained Bash shell scripts utilizing the AWS CLI to automate infrastructure provisioning.
* Developed Spark-Streaming applications to consume the data from Kafka topics and to insert the processed streams to HBase.
* Worked with CSS files effectively using version control systems like Git, ensuring code collaboration and maintaining a history of changes for Java projects.
* Used Hibernate in data access layer to access and update information in the database.
* Implemented the database connectivity using JDBC with MYSQL database as backend.
* Used Java in conjunction with Spring to produce a fully asynchronous resource pipeline.
* Implemented Spring boot microservices to process the messages into the Kafka cluster setup.
* Build microservices using spring boot, spring cloud and deploying to AWS Cloud.
* Designed user feedback and analytics to make data-driven improvements to the React applications, enhancing user satisfaction and engagement.
* Worked extensively with the backend which comprised of Spring, Hibernate and JPA.
* Designed and built security architecture using AWS Lambda, AWS API Gateway, AWS Cognito and AWS STS.
* Implemented security best practices in Node.js applications, such as input validation, authentication, and authorization, to safeguard Java-based systems from vulnerabilities.
* Setup Continuous integration with Jenkins and make use of wide range of plugins available to setup smooth developer friendly workflows.

**SENIOR JAVA DEVELOPER**

**FRANCISCAN HEALTH** OCT 2016 to NOV 2019

* Successfully developed and implemented a secure and reliable payment gateway using Java, ensuring seamless and efficient payment processing for online transactions.
* Created and built dependable APIs and integration modules to link the payment gateway with other payment processors, enabling support for a variety of payment options such bank transfers, credit cards, and digital wallets.
* Designed and implemented Java-based solutions for seamless integration of Electronic Health Records (EHR) systems, ensuring secure and efficient exchange of patient data across healthcare facilities.
* Designed identifying and resolving HTML and Java-related issues and providing timely support to end-users.
* Worked closely with Java developers and UI/UX designers to bridge the gap between front-end and back-end development, ensuring a cohesive user experience.
* Developed Liferay plugins, including hooks, extensions, and portlet plugins, to extend core functionalities and meet project-specific needs.
* Designed Java to create custom analytics tools, enabling healthcare organizations to gain insights from large datasets, optimize operations, and improve patient outcomes.
* Created and maintained comprehensive documentation for Angular components, modules, and codebase to facilitate knowledge sharing and onboarding of new team members.
* Involved in the development of Financial Systems Micro Services using Java.
* Developed Entity Java Beans (classes to implement various business functionalities (session beans).
* Worked with AWS API Gateway for implementing the Micro service architecture and the utilized ECS to deploy the Docker containers onto the servers.
* Developed cross-platform desktop applications using Node.js and Java Swing, providing consistent user experiences across different operating systems.
* Configured JDBC resources, data sources and bounded to the J2EE applications, configured the connection pools for the various data sources.
* Tested performance tuning and optimization of WordPress sites and Java applications, improving loading times and user experience.
* Worked in Agile development environments, participating in daily stand-ups and sprint planning to deliver features and updates on time and resolving HTML.
* Developed Spring RESTful web services to deliver XML, JSON content using Jersey Spring implementation.
* Designed and customized Liferay themes using Velocity and Freemarker templates to match project branding and design requirements.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services.
* Developed internal application using Java connecting to AWS on the backend.
* Used Spring JDBC in persistence layer that is capable of handling high volume transactions.
* Implemented modules into Node JS to integrate with designs and requirements.
* Implemented RDMS and Oracle as resource tier and developed PL/SQL Stored procedures, Function and Event Triggering in add, update and retrieval modules.
* Developed multiple full-stack web apps that processed, analysed, and displayed financial data for a variety of clients.
* Designed compliance with web accessibility standards (WCAG) by implementing CSS techniques that enhance the usability of Java applications for individuals with disabilities.
* Used Spring Boot and Spring REST to split up a legacy web application into numerous modules.
* Developed REST controllers using Spring Data REST to serve the UI with required JSON data.
* Build application and database servers using AWS EC2 and create AMIs also using RDS for Oracle DB.
* Created Kafka producer API to send live-stream data into various Kafka topics.
* AWS Cloud management and responsible for code build, release and configuration on Amazon EC2.
* Wrote services to store and retrieve user data from the MongoDB for the application on devices.
* Designed and developed the framework to consume the web services hosted in Amazon EC2 instances.
* Used the SPRING framework's hibernate integration to maximise the MVC architecture's classic model-view-controller design.
* Involved in Delivering RESTful Java microservices using the Spring framework.
* Implemented the SPRING MVC application framework, which supports SPRING IOC for the creation and configuration of Java beans as well as SPRING Hibernate for transaction management.

**JAVA DEVELOPER**

**INFOBEANS** DEC 2014 to SEP 2016

* Assisted one of the biggest retail clients in developing an Inventory Control System to track and manage product inventory, stock levels, and replenishment processes.
* Implemented features like inventory tracking, real-time updates, and automated alerts for low stock levels using Java and Spring boot.
* Designed the database schema using Hibernate ORM (Object-Relational Mapping) annotations to define the entity relationships.
* Developed custom WordPress themes and plugins using PHP, HTML, CSS, and JavaScript to enhance website functionality.
* Developed user interface testing to validate CSS styling across different devices and screen resolutions, ensuring a consistent and visually pleasing experience.
* Used Hibernate to handle the persistence layer. Created DAO (Data Access Object) classes to interact with the database and perform CRUD (Create, Read, Update, Delete) operations on inventory data.
* Used JDBC (Java Database Connectivity) to establish database connections and execute SQL queries.
* Created Java classes and methods to handle inventory management functions such as adding products, updating stock levels, and managing product orders.
* Implemented business logic to handle stock replenishment processes, including automatic stock level monitoring and reordering.
* Build servers using AWS Importing volumes , launching EC2, creating security groups, Auto-scaling, load balancers, Route53, SES and SNS in the defined virtual private connection (VPC).
* Created RESTful endpoints using a framework like Java Struts or Spring MVC to expose inventory management functionalities as web services.
* Created and maintained documentation for CSS code, making it easier for team members to understand and utilize the styles in Java projects.
* Identified logical boundaries within the Inventory Control System to define microservices.
* Moved the Microservices as cloud bases in AWS EC2 server & deployed using Elastic bean stalk/Code commit services of AWS.
* Decomposed the system into smaller, independent services that handle specific inventory-related functions, such as product management, stock management, and order management.
* Used Spring Boot to implement microservices.
* Implemented inter-service communication using REST API and Apache Kafka.
* Defined service contracts and API specifications for the microservices to ensure smooth integration and interoperability.
* Designed and extended existing WordPress themes to meet specific client requirements, ensuring a seamless user experience.
* Involved in developing and delivery of a Micro service application utilizing almost of the AWS Stack including S3, EC2, DynamoDB, Kinesis, SNS and SQS.
* Lead the Design and implementation of the validation functionality for the advanced attributes of the items, integrating it seamlessly with the REST APIs, and providing the suppliers with these functionalities so they can validate the items they upload, correct validation issues, and successfully upload items for sale.

**SOFTWARE ENGINEER**

**HURON CONSULTANCY** FEB 2011 to OCT 2014

* Involved in developing multithreaded modules and applications by using core java concepts like Multithreading programming, Exception handling and collections.
* Generated Java APIs for retrieval and analysis on No-SQL database such as HBase and Cassandra.
* Migrated spring based application to Cloud based Micro Service API.
* Tested the web services by using Restful tool in the application which supported different format like JSON and XML.
* Designed WordPress websites with relational databases like MySQL to store and manage dynamic content efficiently.
* Involved in creating the JSP Pages.
* Designed back-end service using spring annotations to retrieve user data information from database.
* Used JDBC to connect the J2EE server with the relational database.
* Developed Server Side technologies using spring, Hibernate, Servlets/JSP, Multi-threading.
* Developed Struts Action Forms, Action classes and templates and performed action mapping in struts.
* Involved in writing JDBC code to get data base connectivity.
* Designed and developed web-based software using STRUTS MVC Framework.

**EDUCATION DETAILS**

**BACHELORS :-** Maharishi Dayanand university, Rohatak