

**Name:** LOAKESH BACHHU  
**Email:** bachhu.loakesh@gmail.com  
**Phone:** 573-821-9898  
**GitHub:** <https://github.com/loakeshbachhu>  
**Profile:** <https://loakeshbachhu.github.io/>

**SUMMARY:**

- **10+ years** of experience in analyzing, design, development and maintenance of web, client/server applications using **JAVA, J2EE, User Interface (UI), Cloud** webservices, Web technologies with strong Object-Oriented concepts, SOA, **Micro-Services** Architectures.
- Working experience deploying the applications to **Amazon EC2 instance, S3 bucket, Aws Lambda, API gateway, DynamoDB.**
- Extensive experience in J2EE technologies and developing web pages using **HTML/HTML5, XML, DHTML CSS/CSS3, SASS, LESS, JavaScript, React JS16.8, Redux, Flex, JSON, Node JS, DOM, Ajax, JQUERY and Bootstrap.**
- Good Expertise in analyzing cross-browser issues using Document Object Model (**DOM**) Layout, DOM Functions, and Java Script functions, Cascading Styles, Fire Bug, Developer Tool Bar
- Detailed understanding of all phases of SDLC including analysis, design, coding and testing. Expertise in using **J2EE** design patterns including Singleton, Decorator, Factory, Front Controller, Data Access Object, MVC, Data Transfer Object.
- Fluid knowledge in using waterfall, **Agile**, Test Driven (TDD) methodologies to develop applications and good understanding of Service orientation architecture.
- Strong database connectivity skills with **RDBMS** and Query languages NoSQL, SQL, PL/SQL and in developing Stored Procedures, Functions and Triggers.
- Having good Knowledge in **NOSQL** data base like **DynamoDB** and **MongoDB**
- Hands on experience in using Application and Web Servers like **IBM Websphere, Apache Tomcat** and **NPM** for deploying applications on Windows environment.
- Experience in using various configuration management tools like **Git** and **CVS.**
- Use of Middleware-end use of **Node JS, Express** and **NPM** for configuring the project according to the project needs.
- Experience in handling messaging services using **Apache Kafka.** Implemented Kafka producer and consumer applications on Kafka cluster setup with help of Zookeeper.
- Knowledge of **SOAP, WSDL** and **Restful** web services.
- Used **Log4j** for logging, debugging purposes, **JUnit** for unit testing and **Cucumber** for the Integration testing for the rest end points.
- Strong analytical and problem-solving skills with ability to quickly learn new concepts.
- Skilled in developing business plans, requirements specifications, user documentation, and architectural systems research. Ability to work enthusiastically in both team-based projects and individual projects.

## WORK EXPERIENCE:

Senior Software Engineer

February 2014 to Present

Client: Office of State Courts Administration | IRG Inc, Jefferson City, MO

### Responsibilities:

- Followed **Agile** software development with **Scrum** methodology.
- Involved in Analyzing, designing and Writing Specification/Design documents for the requirements of the **Show Me Courts, HRIS** multiple projects.
- Highly-available and auto-scalable set of **micro-services** with zero-downtime deployment, unified monitoring and logging (**Docker, Terraform, Jenkins, Splunk**).
- Amazon **EC2** is also used for deploying and testing the lower environments such as Dev, UAT and Prod.
- Amazon **IAM** was used to maintain the user credentials and also involved in creating custom **IAM** policies to various groups defined within the organization.
- Object storage service **Amazon S3** is used to store and retrieve media files such as images.
- Develop dynamic single-page applications using **React JS, Typescript, Redux**, and **Web pack** for bundling the applications.
- Built Continuous Integration environment **Jenkins** and Continuous delivery environment. Worked with **Docker** container snapshots, attaching to a running container, managing containers, directory structures.
- Secured APIs using **OAuth2** provider KeyCloak. Authentication is provided by KeyCloak and authorization is done using **KeyCloak** adapters to read User Principle and the roles.
- Collaborate in the automation of AWS infrastructure via **Terraform and Jenkins** Implemented **CI/CD** pipeline and extensively worked for End-to-End automation for all build and deployments.
- Installed, Configured and Managed **Docker** Containers, Docker Images for Web Servers and Applications servers such as Apache, Tomcat using **Docker** and integrated with **Amazon MySQL RDS** database. Experienced and proficient deploying and administering **GIT**.
- Good experience working with container orchestration tool **Kubernetes** used to deploy scale, load balance, scale and manage **Docker** containers with multiple namespaced versions.
- Deployed and configured **Elasticsearch, Logstash and Kibana (ELK)** for log analytics, full text search, application monitoring in integration with **AWS Lambda**.
- Developing web applications, and interactive software products using **HTML5, CSS3, ReactJs, JavaScript, jQuery, AJAX, JSON, XML, Redux, Express, Node JS**.
- Involved in Designing the functional specifications and architecture using Spring MVC, Spring AOP, Annotations, Mybatis, **Hibernate, MongoDB, Dynamo DB**.
- Collaborating with business team to understand product goals, offer suggestions, flush out requirements, and provide feedback on technical feasibility.
- Used **mongoose** for database persistence using **NodeJS** to interact with MongoDB.
- Worked in using **ReactJS** components, Forms, Events, Keys, Router, Animations and Flux concept.
- Experience working with **Express** for development of **RESTful** web services and middleware configurations.
- Hands on experience **RESTful** web services used REST client /POSTMAN to check the response of various API's and handled various exceptions.
- Involved in Requirement analysis, design, development, IT & UAT testing, and production support, used Quality Center for change management and defect tracking.
- Wrote **Selenium** scripts using Firefox Webdriver for automation testing

**Environment:** Java/J2EE, Micro-Services, Spring Boot, Spring Cloud, Spring JPA, ReactJS, Bootstrap, Webpack, NPM, CSS3, JSON, HTML5, Maven, JUnit, Mockito, Cucumber, Log4j, Mongo DB, Node JS, Express, Git, Jenkins, Amazon EC2, Amazon S3, Amazon ECS, Amazon EKS, AWSCLI, AWS Lambda, Amazon IAM, Elastic Search, Kafka, Docker, Terraform, Kubernetes, ELK.

**Java Application Developer**  
**Client: CVS, Inc. Cumberland, RI**

**February 2011 to January 2014**

**Responsibilities:**

- Participate in all aspects of the software development lifecycle including requirement analysis, development, unit testing, and automated acceptance testing of software components.
- Interact with clients to gather, analyze business requirements for **Rx Connect** project.
- Implemented modules **using Core Java APIs, Java collection, Java, multi-threading, and object-oriented designs.**
- Assist developers to build user interfaces using **Java, HTML5, CSS3, AJAX, JQuery, Java Script, JSP and Servlets.**
- Performance profiling (CPU Usage, JVM Heap, Memory Leaks) using Willy and JProfiler Tools and Garbage Collection Tuning
- Participate in user requirements gathering, UI design and development of custom validation framework for applications.
- Used Java Mailing or Messaging Service (**JMS**) API's for mailing detailed notifications depending upon the success and failure once the backend process is complete and also for mailing administrator of any system related problems.
- Built the application using **TDD** (Test Driven Development) approach and Involved in different phases of testing like Unit testing, regression, integration and stress testing using HP Load runner and also responsible for fixing bugs based on the test results.
- Created **JAX-RS RESTful** web services for GET, POST, PUT and DELETE requests. Used POSTMAN Rest client for chrome to test all the services.
- Administer and Maintain Source Code Repositories including **GIT**, and **Subversion**.
- Used **AJAX** frameworks like jQuery, **JSON** to develop rich GUIs and also involved in performance tuning the website.
- Involved in creating, modifying and tuning **SQL** queries, prepared statements and stored procedures for the application using **PL/SQL** developer and Oracle 10g as the database.
- Assist in developing user presentation layer using **Spring MVC** architecture.
- Design use case documentation and mentor architecting class diagrams and sequence diagrams to model the system using Microsoft Visio.
- Ensure the functionality and quality of all software deliverables through verification and validation activities.

**Environment:** Java/J2EE, Servlets, Java Beans, Spring MVC, JSP, EJB, Spring JDBC, JMS, Oracle, DOM, CSS3, JavaScript, JQUERY, Ajax, JSP, JSTL PL/SQL, HTML5, DHTML, XML, ANT, Eclipse, IBM Websphere Application Server, Oracle 10G/11G, Windows.

**EDUCATION:**

- Bachelors in Computer Science Engineering at JNTU affiliated university, India. 2008