

# Lochan M

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- 8+ years of experience in application analysis, design, development, integration, deployment, testing, debugging, documentation, and maintenance/support for Java/J2EE-based web, standalone, and client-server software applications.
- Used Waterfall and Agile methodologies during the complete project life cycle.
- Experienced in developing UI using Frontend technologies such as HTML5, CSS3(LESS, SASS), JavaScript, Angular Js, Angular4,7, React JS, Bootstrap and XML.
- Expert in back-end application development using Java 1.8, 1.11, JSP, Kafka, and JMS.
- Java 8/11 features such as Parallel Operations on Collections, multithreading, effective sorting mechanisms, and use of Stream API and Lambda expressions were extensively used.
- Hands-on experience with Spring framework modules such as Spring IOC, Spring AOP, Spring MVC, Spring Security, Spring Boot, Spring Batch, and Spring Data.
- Have extensive experience in Maven, Gradle and Ant build tools along with Eclipse, IntelliJ, VS Code as IDE.
- Proficient in creating adaptable, independently deployable software systems integrating with Microservice architecture and authorization of the application using OAuth2.
- Experienced in writing backend queries in databases like Oracle, MongoDB, PostgreSQL, MySQL, Cassandra.
- Strong experience in using servers like Apache Tomcat and JBoss to configure and deploy applications using container systems like Docker and Kubernetes.
- Expertise in Amazon Web Service to deploy applications using IAM, EC2, S3, RDS Security groups and lambda.
- Good Knowledge in Microsoft Azure services such as Virtual Machines, Azure SQL, Blob Storage and Resource Groups.
- Expertise in debugging utilizing monitoring technologies such as Splunk, CloudWatch, and ELK.
- Log4j, Slf4j, and Logback were used to generate application logs.
- Expert in using source control tools such as Git, as well as JIRA and Azure Boards for tracking.

## Work Experience

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### **Role:Senior Java Full-stack Developer**

Client: HARSCO - Dallas, TX

August 2022 to Present

#### Project Description:

Harsco is a multinational corporation that provides industrial services and engineered products to a variety of industries including infrastructure, metals, construction, and energy. As a senior full stack developer for Harsco, we would be responsible for developing and maintaining the Railway Operations Monitoring

System, a microservices-based application designed to provide real-time insights into various aspects of railway operations.

Responsibilities:

- Designed and implemented multi-threaded and asynchronous systems, as well as leveraging Java 1.11 concurrency features to ensure thread safety and maintainability.
- Implemented Spring Boot's built-in JWT, to ensure the highest levels of security for the applications.
- Used Spring AOP and Spring Actuator for Generated Metrics with method level granularity and Persistence.
- Developed scalable and stable micro-services applications through the implementation of best practices such as separation of concerns and loose coupling.
- Worked in agile framework as an individual contributor Responsibilities include
- Interaction with Business team in story grooming, reviewing story/acceptance criteria.
- Developing customized reports and Unit Testing using Junit, Mockito and Easy mock and performing the integration testing manually checking the flow between

Microservices.

- Implemented the new HTTP Client API to simplify RESTful web service clients in Java 11, resulting in improved performance and reduced development time.
- Using lambda expressions for writing concise and expressive code, reducing boilerplate, and simplifying complex algorithms.
- Integrated Angular 9 with back-end services and APIs in order to create dynamic and responsive web apps with real-time data updates.
- Built applications with high throughput and low latency by utilizing Node.js effective handling of I/O-bound and single-threaded operations.
- Designed and deployed the solutions for cloud based using Microsoft Azure services like the Azure Virtual Machines, Azure Storage, AKS, Functions, Container instances, Cognitive services.
- Adept at leveraging data and metrics to measure Scrum team performance.
- Utilized Azure Boards for tracking and management of sprint cycles.
- Utilized Azure SQL Database's built-in security features, such as Azure Active Directory authentication, to ensure data privacy and security.
- Enhanced data consistency and dramatically boosted system speed through the use of Cassandra's sophisticated data modeling and indexing capabilities.
- Used Splunk to analyze and visualize large amounts of log data, providing real-time insights into application and infrastructure performance.
- Implemented Apache Kafka for message streaming and handling high volume, high throughput, and real-time data.
- Consistently maintained a clean and organized Git Hub version control history, ensuring traceability and accountability.
- Used SLF4J's Marker feature to categorize log messages and quickly identify them in large log files.

Environment: Java 1.11, Spring Boot's built-in JWT, micro-services, RESTful, HTTP

Client API, lambda, Junit, Spring AOP, Spring Actuator, Angular 9, Node.js,

Microsoft Azure, Azure Boards, Scrum, AKS, Azure SQL, Cassandra, Splunk, Apache

## **Full-stack Java Developer**

TX - Houston, TX

August 2021 to August 2022

Project Description:

NRG is one of the leading integrated power companies in the U.S. and Canada, powered by people and built on dynamic retail brands with diverse generation resources. As a full stack Java developer, we are

a part of a team responsible for building and integrating an energy management system for residential and commercial customers. The goal of the project was to provide customers with a simple and intuitive platform that allowed them to monitor and control their energy usage in real-time.

Responsibilities:

- Developed server-side applications using Java 8's new libraries, APIs and Shorthorn JavaScript engine to provide seamless user experience.
- Utilized Java Restful API's in Microservice architecture using Java 8, Spring Boot.
- Designed and Developed scalable microservice systems with secure OAuth2 authorization.
- Implemented Runnable and Event handling using Java 8 Lambda expressions.
- Worked with EKS to handle scaling according to the traffic received.
- Used JSON for data exchange between client and server.
- Involved in using JPA (Java Persistence API) frameworks and APIs as JDO and Hibernate.
- Responsible for UI architecture in system analysis, work with design teams to ensure proper design themes for the Application.
- Made applications responsive using Media Queries and Bootstrap and made applications cross browser compatible.
- Used React 17 as a Frontend frameworks for developing the web features.
- Involved in setting up AWS services with EC2 instances, S3 bucket, IAM, RDS took part in deploying application in AWS.
- Managed and secured PostgreSQL databases, including backup and security protocols.
- Monitored MongoDB performance, including diagnosing and resolving performance bottlenecks.
- Designed and developed the workflow for the Kanban board, resulting in an increase in efficiency and collaboration among the development team.
- Developed robust and scalable solutions using RabbitMQ and ensured high availability and performance.
- Demonstrated ability to design, implement, and maintain logback configurations that meet the specific logging requirements of complex systems.
- Used CloudWatch as the production support and for the monitoring of the logs.
- Experience using CodeCommit for version control in a large-scale software development project.

Environment: Java 8, Nashorn JavaScript, Spring Boot, OAuth2, Lambda, EKS, JSON, JPA, JDO, Hibernate React 17, JSX, AWS Cloud, EC2, S3, IAM, RDS, PostgreSQL, MongoDB, Kanban, RabbitMQ, logback, CloudWatch, CodeCommit.

Client: Systoo Technology | Kanpur, India

FEB 2017 – JUL 2021

Role: Full-stack Java Developer

Project Description:

Systoo Technology is an IT company specializing in web development, web design, and software development. With a focus on delivering high-quality, convenient services, As a full stack developer at Systoo Technology, our team was responsible for designing and developing comprehensive web and software solutions for clients.

Responsibilities:

- Migrated from Java 1.6 to microservice architecture using Java 1.8 and utilized its supported features like the Lambda expressions, functional interface, Streams and frameworks like spring and hibernate.
- Integrated Apache Active MQ with the Application using Spring framework.
- Involved in build and deployment of Spring Boot with Jenkins.
- Extensively worked with Spring JDBC programs using MySQL .

- Developed Webservice components using SOAP and REST and integrated them to the application
  - Used JIRA to Manage and track the issues reported by QA and prioritize and take Action based on the severity.
  - Worked in Agile and Test-Driven development mode that supports team working and create effective solutions.
  - Created Routing hierarchy for different view by using Angular 6 and isolating scopes in custom directives for migrating from HTML, CSS, JavaScript to Angular.
  - Worked with NPM from Node JS to set environment for Angular and for authentication.
  - Written complex unit tests with Karma to verify the functionality of front-end code, including Angular components and services.
  - Configure Azure cloud service for end point deployment and deploy services on Azure cloud.
  - Worked with Oracle performance tuning and optimization techniques, such as SQL tuning, index tuning, and database performance monitoring.
  - Worked with version control Github to manage the code repository. Merging and branching using pull and pull commands through Github.
  - Used Apache Log4j Logging framework for logging of trace and Auditing.
- Environment: Java 1.6, Java 1.8, Lambda, spring, hibernate, Active MQ, Jira, Agile, Angular 6, NPM, Node JS, Karma, Azure, Oracle, JDBC, MySQL, JENKINS, SOAP,

## **Software Developer**

MVC - New Delhi, India

January 2016 to January 2017

### **Project Description:**

Digit Bazar is a full-service digital solutions company that offers a wide range of services, including software development, website development, digital marketing, branding, and the development of iOS and Android apps and games, As a software developer at Digit Bazar, we are a part of a team responsible for designing, developing, and maintaining software applications ,and also be involved in the full software development lifecycle, from requirements gathering and design to testing and deployment.

### **Responsibilities:**

- Experience with Java 1.6 development frameworks, such as Spring and Hibernate.
  - For the integration of multiple Java Components, Spring MVC Dependency Injection was implemented.
  - Developed CRUD operations with views and controllers for client and manager modules using Spring MVC.
  - Designed the web UI using RAZOR View Engine, HTML, CSS, JavaScript, and jQuery.
  - Migrated the existing application from an XML-based configuration to a Java annotation-based configuration.
  - Used IBM MQ series to implement messaging service.
  - IBM WebSphere is used for the deployment of the application and web service.
  - Created applications and connected component to those applications in uDeploy
  - Used MYSQL database for data persistence.
  - Experience in Software Development Life Cycle (SDLC) including requirements analysis, design specification, code development, code integration, testing.
  - Used Java Util for logging, tracking, and monitoring errors at various levels.
- Environment: Java 1.6, Spring MVC, CRUD, HTML, JSP, CSS, JavaScript, JQuery, DataTables, jQuery, XML, IBM WebSphere, IBM MQ, Udeploy, MYSQL, SDLC, Java Util

## UI Developer

StartXLabs Technologies - Gurgaon, India

January 2015 to December 2015

### Project Description:

StartXLabs is a full-service digital solutions company that specializes in web and mobile app development, logo and print material design, and user interface design,

As a UI Developer at StartXLabs, We would be responsible for designing and implementing user interfaces for web and mobile applications

### Responsibilities:

- Involved in the complete development of Waterfall Methodology.
- Used HTML5, CSS3, Ajax to develop User Interface.
- Wrote JavaScript validations to validate the fields of the user registration screen and login screen.
- Worked on building the application using Spring MVC on Eclipse IDE.
- Used Log4j to write Log messages with various levels.
- Used PL/SQL commands to work on Oracle database.
- Experience with Apache HTTP Server configuration and administration.
- Used Git 1.9 for version controlling purpose and as source control.

Environment: Waterfall Methodology, HTML5, CSS3, JavaScript, Ajax, JavaScript, Spring MVC, Oracle, PL/SQL, Log4j, Git 1.9, HTTP Server Apache

## Education

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### Master's degree in Computer Science

Texas A & M University-Commerce

## Skills

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- Node.js
- AWS
- Java
- CSS
- Kubernetes
- Windows
- Azure
- Software development
- XSLT
- Web Logic Server, Apache HTTP Server, Apache Tomcat, JBoss
- Kafka
- PL/SQL
- Ant
- Splunk
- Jenkins
- Build Scripts & DevOps Tools

- APIs
- Angular
- Spring Boot
- SDLC
- Operating System
- Git
- React
- Tomcat
- Linux
- REST
- AJAX
- Waterfall
- MongoDB
- JSON
- JavaScript
- Unit testing
- PostgreSQL
- JMS
- Eclipse
- Maven
- SVN
- SQL Server
- Bootstrap
- Docker
- SOAP UI
- Agile
- XML
- Web Services
- Jira
- JUnit
- Spring
- Scrum
- Databases
- Unix.
- Hibernate
- GitHub
- MVC
- Spring MVC
- JBoss
- MySQL

- SOAP

## Links

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<https://www.linkedin.com/in/mlochan/>