

# NIRMAL SIMHADRI

*Java Full Stack Developer*

Email: [nirmals@jobhuntmails.com](mailto:nirmals@jobhuntmails.com) | Phone: (937) 5599408

## PROFESSIONAL SUMMARY

- Around 5 years of IT experience in analysis, Production support, design, development, and implementation of using Java and J2EE technologies.
- Working knowledge in distributed environment, OOAD concepts, good understanding of Software Development Lifecycle (SDLC) and familiarity of Micro Services.
- Excellent work ethics and analytical skills coupled with excellent communication, written and interpersonal skills describing a committed team player.
- Actively participated in every phase of Software Development Life cycle (SDLC) and proficient with software development methods like Agile (scrum) and Waterfall.
- Expertise in client scripting language and server scripting languages like HTML5, CSS3, JavaScript, **AngularJS**, **JSP**, **React**, **Node.JS**, **PHP**, **Bootstrap**.
- Expert in Core Java with strong understanding of Collections, **.NET**, **Multithreading**, **Event handling**, **Exception handling**.
- Experienced in working with Redux architecture using complex Object-Oriented concepts in improving the performance of the websites.
- Experience in using React JS components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept.
- Strong experience with implementing application using **AngularJS**. Solid understanding Angular directives.
- Used **Node JS** for Node Package Manager (NPM) and Grunt plugin for building Projects.
- Hands on experience with **Amazon web services (AWS)** and Amazon cloud technologies such as **Amazon EC2** (virtual servers) and **Amazon Cloud Watch** (monitoring).
- Deploy application updates to **AWS** and monitored the load balancing of different instances.
- Experience using **Spring MVC**, **Spring Boot**, Spring DAO, Spring Data, Spring IOC, Spring Annotations, Spring AOP, Spring Transactions and Spring Security.
- Extensive experience working in **Spring framework**, Struts framework, O/R Mapping **Hibernate** framework and web services.
- Strong work experience in application integration and communicating using SOA, Web Services such as JAX-RPC, JAX-RS, JAX-WS, SOAP, WSDL, UDDI and XML over **HTTP**, **Apache CXF**, JAX-B, XSD, Axis 2 and **RESTFUL** web services.
- Strong Experience in database design using **PL/SQL** to write Stored Procedures, Functions, Triggers, Indexers and proficiency in writing complex queries, using Oracle, IBM DB2, SQL Server and MySQL, MongoDB.
- Experienced in JMS over messaging to exchange the information in more reliable and asynchronous way in enterprise Applications. Used Apache **ActiveMQ** and Apache Camel as JASMS provider.
- Experience in developed logging and standard mechanism based on Log4j and SLF4j.
- Experience in version control system tools like **GIT**, CVS and SVN.
- Experience in unit testing the applications using JUnit, TDD Framework.
- Hands-on experience working with Continuous Integration (CI) build-automation tools such as **Maven**, SVN, CVS, **Jenkins** and Apache Ant.
- Significant experience in web development tools like Spring Tool Suite, RAD, **IntelliJ**, **Eclipse**, **BIRT**
- Hands on experience with **Windows**, **UNIX** and Linux Environments.
- Excellent written and verbal communication skills, **Analytical**, Problem Solving skills, strict attention to detail and ability to work independently, lead/work within a team environment.

## TECHNICAL SKILLS

<b>Languages:</b>	C, C++, Java, J2EE, PYTHON, SQL, PL/SQL, J2SE, .NET, Go lang.
<b>J2EE Technologies:</b>	Servlets, JDBC, JSP, java8, JSF, JMS, EJB, Java Security, JMS (ActiveMQ, Rabbit MQ)
<b>Mark-up/XML Technologies:</b>	HTML, CSS, JavaScript, JQuery, Ajax, AngularJS, React, PHP, XML, XSD, XSL/XSLT, SAX/DOM, JSON,
<b>Tools &amp; Framework:</b>	Spring, Hibernate, Spring MVC, Spring IOC, Spring AOP, Spring Boot, Spring Cloud, JSF, JUnit, SOAP UI, PHP, Apache ActiveMQ. ANT, Maven, Apache camel.
<b>Web/App Servers:</b>	IBM WebSphere, Apache Tomcat, JBoss, Web Logic Server
<b>Database:</b>	Oracle, SQL-Server, MySQL server, TOAD, MongoDB/NoSQL
<b>IDEs:</b>	Eclipse, BIRT, IntelliJ, Spring Tool Suite (STS), RAD.
<b>O-R mapping:</b>	Hibernate, IBATIS
<b>Testing Tools/ Others:</b>	JUnit, Soap UI, Putty, Log4j and Jira.
<b>Version Control:</b>	Tortoise SVN, CVS, Rational Clear case, GitHub
<b>Build Tools:</b>	Ant, Maven, Jenkins
<b>OS &amp; Environment:</b>	Windows, UNIX, Linux.
<b>Cloud Technologies:</b>	AWS EC2, S3 bucket, ELB, Auto-Scaling, SNS, SQS, AMI, IAM, Dynamo DB, Cloud front, Elastic search, Elastic Beanstalk, Virtual Private Cloud (VPC), Micro Services.

## EDUCATION)

- Masters at University Of Dayton(GPA-3.84) (Aug 2022- Dec 2023)

## EXPERIENCES

<b>Panasonic Remote, USA</b>	<b>May 2023– Till Date</b>
<b>Full Stack Java Developer</b>	

### Roles & Responsibilities:

- Involved in the complete SDLC (software development life cycle) of the application from requirement analysis to testing.
- Developed the UI using HTML5, CSS3, React JS, JSP and JavaScript for interactive cross browser functionality and complex user interface.
- Developed dynamic and responsive web applications using Vue.js and modern JavaScript (ES6+).
- Built scalable REST APIs using Node.js (Express) and Python (Flask/FastAPI) for backend services.
- Integrated frontend Vue.js applications with backend APIs and AWS-hosted services.
- Developed single page applications using React Redux architecture, ES6, web pack and grunt.
- Integrated Angular apps with REST APIs for seamless client-server communication.
- Applied Angular routing, RxJS, and state management to enhance SPA performance.
- Developed scalable UI with reusable Angular components and services.
- Deployed and managed containerized applications using Kubernetes in production-grade environments.
- Designed and implemented Helm charts for consistent and reusable Kubernetes deployments.

- Configured Kubernetes clusters on AWS (EKS), GCP (GKE), and on-prem environments.
- Creating snapshots and AWS Machine Images (AMIs) of the instances for backup and creating clone instances.
- Involved in creating EC2 instances and installed required configurations and applications on it and created S3 buckets for storing object level data into it.
- Experience with designing and configuring secure Virtual Private Cloud (VPC) through private and public networks in AWS and create various subnets, routing table, internet gateways for servers.
- Deployed and managed applications using AWS EC2, configuring security groups, key pairs, and AMIs to enable secure, scalable virtual server instances.
- Set up and managed AWS S3 buckets with lifecycle policies, versioning, and cross-region replication to optimize storage and ensure data durability.
- Designed and implemented scalable backend services using AWS Lambda and API Gateway to build serverless RESTful APIs.
- Search Processing Language (SPL): Expert in writing SPL queries for data retrieval, filtering, and visualization.
- Data Onboarding, Configured forwarders and inputs for ingesting logs from various sources.
- Alerts & Dashboards are Set up real-time alerts and interactive dashboards for operational intelligence.
- Implemented robust authentication/authorization with Spring Security and JWT.
- Optimized JVM performance, memory usage, and garbage collection for high-throughput applications.
- Refactored legacy monolith applications into modular, loosely coupled Spring Boot microservices.
- Developed reusable libraries and utility services to standardize Java development across teams.
- Implemented Spring AOP for declarative transaction management.
- Developed POJO objects and used Hibernate as the Object-Relational Mapping (ORM) tool to access the persistent data from SQL Server.
- Created HTTP interceptors for handling tokens, global error handling, and request logging.
- Used WebLogic to control the admin and managed servers to operate in multi-tier architecture.
- Templating are Used variables and dashboard templating for dynamic visualization.
- Authentication for Integrated with OAuth, LDAP for secure dashboard access.

**Environment:** Java 1.8, J2EE, HTML5, CSS3, JavaScript, JQuery, AJAX, Angular, Bootstrap, JSON, JSP, JNDI, Oracle, Spring AOP, Spring cloud, Hibernate, RabbitMQ, Spring MVC, Spring JDBC, JDBC, Amazon Web-Services (Elastic Search), WebLogic, SOA (Service-oriented) Architecture, REST, JAX-RS, Jersey, Docker, JUnit, Kafka, Mongo DB, WebSphere, AWS, Python, JIRA, Maven, GIT, RAD, Jenkins, Unix, Agile Methodology.

<b>Atos Syntel (Chennai, India)</b>	<b>Jan 2021 – July 2022</b>
<b>Full Stack Java Developer</b>	

#### Roles & Responsibilities:

- Agile methodology was used to develop the application.
- Extensive experience in developing web pages using HTML/HTML5, XML, DHTML CSS/CSS3, SASS, LESS, JavaScript, React JS, Redux, Flex, Angular JS (1.X) JQuery, JSON, Node.js, Ajax, JQUERY Bootstrap.
- Implemented Coding Using Spring Boot, Java8 and J2EE Design Patterns.
- Worked in using React JS components, Forms, Events, Keys, Router, Animations.
- Used Spring MVC architecture to separate the presentation logic, control flow with business logic.
- Integrated Vue.js apps with RESTful APIs and WebSocket services for real-time data updates.
- Customized component behavior using props, slots, and event emitters for clean architecture.
- Implemented lazy loading and dynamic imports to improve performance and reduce bundle size.
- Used Vuetify and Tailwind CSS to build visually appealing, responsive, and accessible UIs.
- Built and configured custom directives and filters to extend Vue.js functionality.
- Worked on React JS Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.

- Configured Auto Scaling Groups (ASG) and Elastic Load Balancers (ELB) to achieve high availability and fault tolerance.
- Utilized AWS IAM to create roles and policies, applying least privilege principles and enabling secure application access.
- Managed DNS routing using Amazon Route 53, implementing weighted routing and health checks for global user bases.
- Designed robust exception handling, logging, and validation mechanisms in Spring Boot apps.
- Built interactive Grafana dashboards using various data sources (Prometheus, InfluxDB, etc.).
- Integrated with third-party systems via REST, SOAP, and gRPC services in Spring Boot.
- Developed unit and integration tests for existing Microservices using Junit and Docker.
- Implemented CI/CD pipelines with Jenkins and GitHub Actions for automated Kubernetes deployments.
- Created and managed Kubernetes manifests (YAML) for Pods, Services, Deployments, StatefulSets, ConfigMaps, and Secrets.
- Handled Kafka rebalancing and ensured exactly-once or at-least-once message delivery as needed.
- Designed dead-letter queues and retry mechanisms for fault-tolerant Kafka message processing.
- Developed modular Angular components and services for scalable frontend architecture.
- Implemented reactive forms and validation using Angular Forms and RxJS observables.
- Built reusable UI components with Angular Material and Bootstrap.
- Created dynamic dashboards and charts using ngx-charts, Chart.js, and D3.js.
- Integrated authentication and authorization (JWT, OAuth2) in Angular apps via interceptors.
- Designed use case and class diagrams using Rational Rose.

**Environment:** Java8, J2EE, Hibernate, React JS, Spring, Junit, Cassandra, WebLogic HTML 5, CSS 3, JavaScript, Jenkins, Kafka, Node.js, React, jQuery, Microservices, JBoss, Linux, Kafka, Kubernetes, CICD, Docker, Spring Boot, JIRA, Eclipse, Birt, AJAX, Vue JS, JSON, JSF.

<b>Genpact (Chennai, India)</b>	<b>Jan 2019 – Dec 2020</b>
<b>Java/J2EE Full Stack Developer</b>	

#### Roles & Responsibilities:

- Involved in SDLC Requirements gathering, Analysis, Design and Development of application using AGILE methodology (SCRUM).
- Developed user interface using Java Server Pages (JSP), HTML and Java Script, Angular JS for the Presentation layer.
- Developed entire application web-based client implementing MVC Architecture using Spring Framework.
- Extensively used Spring IOC for Dependency Injection and worked on Custom MVC Frameworks.
- Implemented user data validation using Spring Validation, Spring Web Flow.
- Managed the navigation and web application page flow through Spring Web Flow.
- Involved in developing applications with RESTFUL web services using Node.js and writing clean and elegant mark up using Bootstrap 3.0, CSS3 and HTML5.
- Expert in using Node.js to build a scalable network application where it can handle many connections concurrently.
- Using Node.JS NPM module Grunt and Gulp to run tasks and build properly the project (comple, minify, concat etc.)
- Implemented various J2EE Design patterns like Singleton, Facade, Business Delegate, DAO, Transfer Object and Factory pattern.
- Involved in the implementation of Spring ORM with Hibernate and creating the Hibernate POJO objects and mapped with MySQL database using Hibernate Annotations.
- Hibernate Query Language (HQL) was used to write various queries and Criteria's in the database.

- Implemented application Security including User Management, Authentication and Authorization using Spring Security.
- Developed RESTful web services using Spring Annotations.
- Developed REST web services supporting both XML and JSON to perform tasks. Restful web services leveraged by both web and mobile applications.
- Created maven archetypes for generating fully functional Restful web services supporting both XML and JSON message transformation. Archetypes built on Spring 3.0 technology.
- Implemented CI/CD pipelines with AWS CodePipeline, CodeBuild, and GitHub Actions to streamline code deployment.
- Worked with Amazon RDS and Aurora databases, configuring backups, failovers, and read replicas for scalability.
- Integrated AWS DynamoDB for high-throughput NoSQL data storage with seamless horizontal scaling.
- Implemented Microservices, service deployments, upgrading and API Authentication in GoLang
- Developed application using Git version control and used Eclipse IDE for development.
- Good hands on UNIX commands, used to see the log files on the production server.
- Used Golang for network servers and distributed systems
- Used automated scripts and performed functionality testing during the various phases of the application development using Selenium IDE.
- Configured AWS CloudTrail to audit API activity across the AWS account and ensure compliance.
- Implemented log centralization by forwarding logs from multiple EC2 instances to Amazon CloudWatch Logs.
- Implemented Kafka partitioning and replication strategies for fault tolerance.
- Tuned Kafka configurations for optimal latency and throughput.

**Environment:** HTML5, java8, JSP, CSS, JSTL, Spring MVC, Spring Core, Spring Web Flow, Spring Kafka, ORM, Hibernate, Kubernetes, MySQL, JUnit, RESTful web services, Maven, Git Version Control, Apache Tomcat Application Server, Eclipse IDE and Linux