Muralidharan Sridharan

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- ❖ Having 18.1 years of experience in Web-based and Enterprise Applications using Technologies like Core Java, Spring, Spring Boot, Micro Services, JPA and REST Web Services.
- ❖ Responsible for developing the UI pages using Angular, Java Script, HTML, CSS.
- ❖ Hands on experience working with Micro services architecture using Spring Cloud.
- ❖ Hands on experience working with Spring Boot, Spring IOC, Spring Data JPA, Spring MVC, Spring Batch.
- ❖ Hands on experience working with JWT, OAuth2, Spring Security.
- ❖ Having experience on Amazon S3, EC2, RDS.
- ❖ Ability to work with tools like JIRA, CRUCIBLE, Confluence, GIT, Bit bucket, Junit, Mockito, Log4j, Maven, Gradle, Tortoise SVN and Monitoring tool used Kibana.
- ❖ Hands on experience in using Devops technologies like Jenkins, Kubernetes, Docker.
- ❖ Develop Kafka Producer and Consumer. Created Kafka producer API to send live-stream data into various Kafka topics.
- ❖ Having knowledge on SonarQube (Code Quality Check).
- ❖ Experience in various servers namely Tomcat, JBoss, WebLogic App Server 10.3.3.
- ❖ Good experience on ORACLE (SQL/PLSQL) and POSTGRESQL.
- ❖ Hands on Experience in Using Eclipse and IntelliJ IDE for developing software applications.

- ❖ Developing UI in DHTMLX and Jasper Report (iReport).
- ❖ Expertise in Working in Agile Methodology (Scrum).
- ❖ Proficiency in JDBC, Servlet, JSP, Struts, HTML, JavaScript, CSS, AJAX, JMS.
- ❖ Experienced in analyzing Functional Specifications / Use cases, Preparing Test Scenarios, Creating Test Cases and execution of Test Cases.
- ❖ Involved in all the phases of SDLC from requirement analysis, design to deployment of Java web applications using agile software development methodology.
- ❖ Excellent Inter-Personal and Communication skills and the ability to work efficiently with quick learning of new technologies to fulfill project needs.
- ❖ Having experience on Team Handling.
- ❖ Having experience on High Level, Low Level, Sequence Design and Deployment diagram.

ACADEMIC DETAILS

Professional (2003-2006) :   (MCA) **Master of Computer Application,**
Bharathidasan University, Tiruchirappalli.

Academic (2000-2003)   :   **(**B.Sc., Physics) **Bachelor of Science., Physics**
Bharathidasan University, Tiruchirappalli.

PROFESSIONAL EXPERIENCE

- Senior Software Engineer in Global soft Technology Solutions, USA **from Feb 2025 – till date**
- Lead Engineer in KForce Inc, USA. From **April 2024 – Jan 2025**
- Senior Software Engineer in Cognitive Minds Inc, USA   from **July 2023 –.Feb 2024**
- Senior Software Engineer in MODIS Inc, Dearborn, Michigan. USA from **Aug 2020 – May 2023**
- Senior Software Engineer in Techmahindra, Chennai from **Dec 2011 – July 2020**
- Module Lead in Globus Medical Private Limited, Chennai from **Aug 2010 – Oct 2011**
- Application Analyst in Mantra solutions Inc., Chennai from **Aug 2009 – July 2010**
- Software Engineer in Royalsoft Services, Chennai from **Jun 2007 – Jun 2009**

WORK EXPERIENCE

Senior Project Lead   **02/2025 to till date**
Organization: Global soft technologies
Client: ONYX – Healthcare

Description

Onyx provides healthcare interoperability services to government, payers, providers (Hospital, Doctor). This project is based on HL7 FHIR Specification. Worked on patient access API to provide patient info such as Encounter detail, Medical conditions, Allergies, lab reports, etc. These data can be access by Patient, Hospital, Insurance companies.

Roles and Responsibilities:
- Creating the design document – High Level Design and Low Level Design
- Creating the Task in JIRA based on the stories.
- Validating all the API through postman.
- AWS S3 Storage - Maintained
- Writing the Junit Test cases and Code Coverage and Vulnerabilities.
- Deployment will be done in preproduction and supporting into production.

Senior Software Engineer   **04/2024 – 01/2025**
Organization: KForce Inc. USA
Client: Princess CRUISE Line – Los Angeles - CA, USA

Description

OASSYS Finance Projects & International Immigration Systems – Cruise Ship Services to support internal and external applications for OASSYS Finance and International Immigration systems across global cruise ships, enhancing guest experiences and managing finance and immigration operations, Facilitate global guest travel experiences on cruise ships by integrating systems for finance management, tax services, jurisdiction management, restaurant reservations, hotel management, casino access, event hall bookings, and more.

Roles and Responsibilities:
- Designed and developed applications from scratch, including requirements gathering, UI specification creation, analysis, coding, testing (TDD model), deployment, and post-maintenance monitoring.
- Worked in a highly dynamic SPA Front end application that calls multiple rest services and micro services from the ground up using HTML5, CSS3, JAVASCRIPT, Angular, and NodeJS as front- end building Environment.
- Created dynamic and responsive web interfaces that enhance user experience and adhere to accessibility standards.
- Debugged Code using the chrome developer tools, react developer tools, Page Load Optimization, Lazy loading fixed and developed custom components
- Configure and run gulp tasks in NodeJS runtime and handle injection, CSS pre-processing, minifying, test-running, and building-sync.
- Developed React pages, Web services calls, and AJAX calls for the application.
- Built Spring Boot APIs based on user requirements, deployed as services on cloud servers for scalable operations.
- Configured Apache Kafka Producers, Consumers to enable efficient real-time live messaging between systems.
- Authored Liquibase scripts for Oracle DB changes and performed database programming using Oracle PL/SQL.
- Implemented Authentication(Spring Security, OAuth2,IAM,JWT Token)
- Deployed and managed AWS infrastructure, including S3 buckets, EC2 instances, and CloudFormation templates.
- Monitored logs, processes, and system statistics, memory, disk, and process loads using Elastic Cloud services, enabling real-time identification of production failures.

Senior Software Engineer   **08/2020 – 04/2024**
Organization: Modis Inc. USA

Client: Ford Motor Company, Detroit, Michigan, USA

Description

CVAS Evap Purge and PAE is a customer-facing applications for EV-Charging Station services for Ford vehicles, supporting the APAC region and Ford of Europe for charging station management, enabling seamless operations across Ford's regional markets.

Roles and Responsibilities:
- Delivered customer-facing applications for EV-Charging Station services for Ford vehicles for APAC region and Ford of Europe.
- Developed and deployed scalable solutions for charging station management, enabling seamless operations across Ford's regional markets.
- Consumed the EV charging station information master file from GCP Storage and posted the generated Charging station score ratings JSON to GCP Storage for suppliers.
- Monitored system resources and application performance using Google Watchdog for to compute instances and IAM management to check access and roles for people.
- Led requirements gathering and authored UI specification documents.
- Developed Modular programming and built re-usable components with ReactJS.
- Developed various screens for the front end using React JS and used various predefined components from NPM (Node.js)
- Design, develop, and test HTML5, CSS3, Bootstrap, JavaScript, jQuery and React.JS that meet accessibility and web browser standards for websites.
- Created Spring Boot APIs based on user specifications, packaged as services for deployment to cloud servers and S3 bucket for file storage and retrieval.
- Designed and developed a React applications for Single page front end UI.
- Developed and integrated Slack messaging and communication services across multiple projects for real- time notifications.
- Built Spring Boot-based micro services for modular, scalable web applications, adhering to micro services architecture and Deployed in Amazon EC2 containers with Spring Security and OAuth2.

Senior Software Engineer,   **01/2020 – 07/2020**
Organization: Tech Mahindra
Client: Union Pacific Railroad, Omaha, Nebraska - USA

Description: The objective of the project is to service all internal Union Pacific applications to service the internal and external customer faced applications as standalone web service.

Roles and Responsibilities:
- Conducted requirements analysis and developed system specifications to align project goals with business objectives.
- Migrated legacy Spring projects to Spring Boot services, improving scalability and maintainability.
- Implemented Apache Kafka messaging to facilitate communication between upstream and downstream Spring Boot projects, ensuring seamless data flow.
- Created and deployed web services using Spring Boot within a Microservices architecture, enabling modular, scalable applications.
- Coding from scratch : Spring Batch processes, automating key data processing tasks.
- Practiced pair programming for small user stories, ensuring knowledge sharing and continuous learning within the team.

Senior Software Engineer   **06/2017 –12/2019**
Organization: Tech Mahindra
Client: - AT&T, Atlanta, Georgia – USA

Project Description: CCT-IP (Call center technology – Interactive Voice Response platform) - AEP projects

The objective of the project is to service all AT&T call center applications to service the customer. Avaya Aura Experience Portal is the voice platform solution by Avaya that AT&T CCT team is moving towards from the old MPS (Media Processing Server) voice platform. Marketed as the advanced voice platform and more future-proof than the old MPS platform, the AEP supports many features such as multi-modal channels support (i.e., ability to talk to caller/customer on voice as well as other visual channels such as web and SMS-text simultaneously), provides native support for Call Control Xml (CCXML) voice specification along with the traditional Voice-XML support.

Roles and Responsibilities:

- Conducted requirements analysis and developed detailed system specifications for new features and enhancements.
- Created APIs based on user requirements and packaged them as deployable services to cloud servers, ensuring seamless integration with existing systems.
- Implementation of Apache Kafka for live streaming data
- Built microservices to support voice-to-XML conversion for English/Spanish support using Voice-XML and CCXML, enhancing call center operations using Avaya Enterprise Portal.
- Configured GCP Firewall rules to control traffic between VM instances and utilized GCP Cloud CDN.
- Utilized AWS S3 for storing CloudFormation templates and EC2 instances, optimizing cloud infrastructure deployment.
- Designed and Developed GUI and SPA using HTML, CSS, JavaScript, Angular 4.
- Developed application in Angular with TypeScript and implemented RXJS (reactive extension) for using Observable sequences to allow async data streams with out of the box RXJS operators in NGRX platform.
- Developed components as an independent module for reusability across the application.
- Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 4.
- Implemented Angular 4 inbuilt directive for angular lifecycle checks and for adding conditionals Confidential template level.

Senior Software Engineer   **09/2013 – 05/2017**
Organization: Tech Mahindra
Client: Ford Motor Company, Detroit, Michigan, USA

Project Description: The objective of the project ASAP (Advanced Sourcing Automated Process) is to service all Ford Buyers and Suppliers to source the parts to build a new car when it is launched. This Process of identification of suppliers is called as Sourcing. The ASAP application has basically 6 modules in it. The Process Starts with the First Module known as Create and continues sequentially (except for Package/DOA which are parallel tasks) till it reaches the Settle module where the final CPA document is signed. There are 6 modules which involve Create, Plan, Package, DOA, Source, Settle where the overall cycle of PSA.

Roles and Responsibilities:

- Requirements Analysis and Developed System Specifications.
- Involved in the functional, technical design and development of the application modules.
- Involving in development and BPD business workflows using IBM Lombardi BPMN modeler for key business flows.
- Developed webservices using Spring and BPM integration.
- Creating JSON output for the Purchasing data and storing it in an Azure Storage for reporting purposes.
- Creating user stories based on the requirements and prioritizing them.
- Practiced Pair programming for JIRA stories.

Senior Software Engineer   **12/2011 – 08/2013**
Organization: Tech Mahindra
Client: Ford Motor Company, Detroit, Michigan, USA

Project Description: The objective of the Apple PS (Identity Management Services and Provisioning Systems) is to set provisions to the apple employees. Apple Organization has large number of applications that need to be provisioned for user access. As employees / support partners / contractors join / leave the organization, access, and revoke access to the applications that they use to perform their functions. Providing access manually would be time-consuming and inefficient. PS2 System is conceived with the intention to automate the task of providing access to applications (Provisioning). An existing system (Provisioning System) has been in place but has some limitations, which need to address. Another important reason for implementing the Provisioning System is to ensure a central repository of access, roles, permissions, applications.

Roles and Responsibilities:

- Requirements Analysis and Developed System Specifications.
- Involved in the functional, technical design and development of the application modules.
- Analyzed all Inventory Planning & Replenishment existing projects for the impact based on current scope of this project, identified impacted project – components, designed and

implemented the remediation solution.

- Developed webservices using Spring and BPM integration.
- Worked in GRID Application Development and Maintenance for Apple Provisioning Systems
- Took Complete Ownership of Apple GBI Reports – All regions' data through xml and to EAI Publishing Systems, Data Feed for Apple Applications

Application Developer   **08/2010 – 10/2011**
Client : Globus Medicals Inc., USA

Project Description: Globus Medicals is one of the world's largest privately held spinal company, is driving significant technological advancements across a complete suite of spinal products. The vision is to create products that enable spine surgeons to use both fusion and non-fusion solutions to meet the needs of their patients. This is made available to Hospitals and surgeons through the Sales rep within and outside Globus.

The offshore Development Centre is in Chennai and mostly handles the new Projects, Enhancements to the Intranet Portal which every department within Globus uses on a day-to-day basis.

Roles and Responsibilities:
- Requirements Analysis and Developed System Specifications.
- Creating user stories based on the requirements and prioritizing them.
- Implementing the business logic through Oracle PL/SQL Programming by creating Stored Procedures, Triggers, Functions and Materialized views.
- Provided support during maintenance phase for Manufacturing, Sales department module development.
- Created Web services for Integration applications to communicate with FileNet Content services.

Application Analyst, Mantra solutions Inc. USA   **08/2009 – 07/2010**

Project Description : The objective of the project is to maintain the clinical data of patient information system. ARxChange is an ERP product and principal monitoring. This application mainly deals with hospitals in the US to make a patient's details in batch file. This application mainly focused on the following modules. Portfolio setup, Selling-section, Bidding-section, Groups management, My profile section, Admin-panel.

Roles and Responsibilities:
- Conducted requirements analysis and developed system specifications, ensuring alignment with both business needs and technical requirements.
- Performed data transformation to JSON using Talend components like TMap, TJoin
- Developed web services for seamless integration with FileNet Content Services document management.
- Created Hibernate mapping files for data tables ensuring smooth data interaction.
- Developed Pentaho Reports and provided production support to ensure accurate and timely data reporting.

Software Engineer - Soft Build, Chennai, India   **06/2007 – 06/2009**

Project Description : Soft Build (ERP) is a web product that deals with an ERP management for Construction and Real Estate operations. This Project mainly deals with the real estate and Construction companies to manage the business activities inside the departments. It is a complete web application and three tier architecture with thin client UI. This is a multiuser package which can be operated from remote locations and the main Departments of the Package covers Marketing, CRM, MF, Accounts, Human Resource, Consolidation, Projects.

Roles and Responsibilities:
- Conducted requirements analysis and developed detailed system specifications to ensure alignment with business needs.
- Created and prioritized user stories based on business requirements, ensuring efficient project execution.
- Developed front-end UI using JSP pages, ensuring an intuitive and responsive user experience.
- Coded Servlets and POJOs to map business workflows, ensuring seamless data processing and integration with back-end systems.