



VijayaBhaskara Reddy Kalluri

Sr. Java Full Stack Lead Developer

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Professional Summary:

- Results-driven IT professional with **17+** years of experience in **designing, developing, testing, deploying, and maintaining** high-performance web applications.
- Specialized in **Web Application Architecture** and **Microservices** with expertise in **Spring Boot**, Java, and RESTful APIs.
- Proficient in **algorithms, data structures, design patterns**, and **database schema** design, ensuring efficient, maintainable, and performant systems.
- Skilled in cloud platforms (AWS, Azure), CI/CD pipelines using Azure DevOps and Jenkins, and containerization with Docker for seamless deployment and scalability.
- Expertise in low-level module design, technical leadership, and providing guidance through code reviews, ensuring high-quality and well-architected solutions.
- Strong experience in Agile methodologies, team mentoring, and collaborating with cross-functional teams to deliver high-performance systems that align with business objectives.
- Basic Experience in frontend development with React and in developing enterprise applications on Windows/UNIX platforms.
- Excellent problem-solving skills, attention to detail, and a proven ability to work independently and lead teams to successful project delivery.

Employment History:

Collins Aerospace (Rockwell Collins (India) Enterprise Pvt. Ltd)	From: Aug 2024	To Date
Collins Aerospace (Goodrich Aerospace Services Pvt Ltd)	From: May 2017	To: Jul 2024
Rockwell Collins (India) Enterprises Pvt Ltd	From: Jan 2010	To: May 2017
Marlabs Software Pvt Ltd	From: Apr 2007	To: Dec 2009

Education:

Master of Computer Applications from Osmania University, 2006, 82%

Technical Expertise & Tools

Languages	: Java, Python
Web Frameworks	: Microservices, Spring Boot, Spring Restful Web Services, Spring Security, Spring Data JPA, and Spring Cloud Config, Rest API
Open API Specification	: Swagger
Frontend Technologies	: React , Vue.js
Source Code Management	: Git, SVN
Testing Frameworks	: Junit
Change Management	: IBM Jazz, Polarion, IBM Clear Quest
ORM Frameworks	: Hibernate, Spring JPA
RDBMS	: Oracle, MS SQL, SQL Lite
Web Servers	: Apache Tomcat
Containerization platform	: Docker
DevOps/CI&CD	: Azure DevOps, Jenkins
Cloud Platforms	: AWS, Azure
Eclipse Technologies	: SWT, JFaces, Eclipse PDE, RCP, BIRT

Professional Experience:

Principal Software Developer, Collins Aerospace (Rockwell Collins), Hyderabad

Project Name: DPLC Connected Operations - Factory Intelligence (FIS)

Period: Aug 2024 to To-Date

Client Name: Collins Aerospace

Position: Principal Engineer

Location: Bangalore:

Environment: Java, Python Microservices, Spring Boot, Hibernate, JPA, Restful Web Services, Oracle, Design Patterns, Azure DevOps, Swagger, Docker, Azure, Kubernetes, Git, Windows 10, and Ubuntu

Description:

Led the design and implementation of a "smart factory" initiative for RTX's Connected Operations, enabling factory visualizations in alignment with RTX's definitions of a Visual Factory. The project integrates cutting-edge technologies to enhance communication and collaboration between machines, systems, and people, driving efficiency and improving decision-making in manufacturing operations.

Roles & Responsibilities:

- Designed and implemented **Enterprise UNS, Enterprise Tier Boards, Andon**, and **CIS microservices** to support real-time data flow and factory intelligence systems.
- Architected high-level software solutions, ensuring alignment with business requirements and enabling seamless integration across systems.
- Applied **design patterns** in the low-level module design to optimize scalability, maintainability, and performance.
- Developed and implemented **RESTful APIs** for each microservice, ensuring smooth communication and interoperability within the system.
- Designed and optimized **core algorithms**, data structures, and database schemas to support efficient data processing and analytics.
- Led the **Docker containerization** efforts, implementing containerization scripts for microservices to ensure portability and scalability.
- Built and managed **CI/CD pipelines** to automate testing, deployment, and integration processes, improving delivery speed and reducing errors.
- Advocated for best practices in software development to enhance **product quality**, including code refactoring, performance tuning, and documentation standards.
- Mentored junior engineers, providing guidance on software architecture, coding practices, and troubleshooting, while conducting **code reviews** to ensure high-quality deliverables.

Principal Engineer , Collins Aerospace (Goodrich Aerospace), Bangalore

Project Name: DISCOVER

Period: May 2017 to July 2024

Client Name: Collins Aerospace – Interior and P&C

Position: Principal Engineer

Location: Bangalore:

Environment: Java, Python, Microservices, Spring Boot, Hibernate, JPA, Restful Web Services, Oracle, Azure DevOps, Swagger, Docker, Azure, Kubernetes, Git, Windows 10, and Ubuntu

Description:

DISCOVER is an ecosystem of reusable design workflows for architecting products at multiple levels of abstraction (system/vehicle, subsystem, packaging, component). DISCOVER platform supports multiple applications from multiple domains across multiple SBUs in Collins.

Roles & Responsibilities

- Design software architecture for Galley Configurator, MRO SAP, and Sales Tool applications on the DISCOVER platform

- Design and Develop DISCOVER Microservices
- Externalize the project configuration by implementing the spring cloud configuration service
- Design and Develop Database schema for DISCOVER applications
- Design and Develop Core Platform APIs using Restful Web Services
- Design and develop a service layer using Spring JPA.
- Build Docker images for DISCOVER applications
- Implement CI &CD pipelines using Azure DevOps
- Providing technical direction for all modules of the project
- Participate in code reviews
- Working on high-complexity project tasks
- Involved in Unit Testing using Junit
- Prepare PI and Sprint plans and execute them
- Allocate tasks to the team and help them with complex tasks
- Coordinate and support the Project Manager for project planning activities
- Involved in Performance Connection meetings of the Team members
- Acts as a release engineer and prepares the release plans and executes the releases

Project Lead, Rockwell Collins (India) Enterprises Pvt Ltd, Hyderabad

Project Name: Configurable Avionics Systems Environment (CASE)

Period: Jan 2010 To: May 2017

Client Name: Rockwell Collins Inc

Position: Project Lead – Software

Location: Hyderabad

Environment: Core Java, Restful Web Services, Hibernate, JUnit, EMF, GEF, XML, SWT, JFaces, Eclipse RCP, BIRT, Oracle, and Windows 2000

Description

CASE Tool (Configuration Avionic System Environment): This application is used in flight to provide different types of alerts, warning and maintenance information based on flight phases. CASE tool consists both Onboard Maintenance System (OMS) and Crew Alert System related services

Roles & Responsibilities

- Responsible for Technical Leadership of the project
- Coordinate and support the Project Manager in project planning activities
- Involved in Performance Connection meetings with the Team members
- Design and Develop Database schema

- Implement the DAO layer using Hibernate ORM framework
- Developing Editors and Views for IDE.
- Developing Graphical Editors using GEF
- Involved in Core API development.
- Involved in Eclipse Plug-in development.
- Working on high-complexity project tasks
- Involved in Unit Testing using JUnit
- Involved in writing Database Stored Procedure.
- Providing technical direction for all modules of the project
- Working on high-complexity project tasks
- Mentoring the junior engineers
- Involving Code reviews

Software Engineer, Marlabs Software Pvt Ltd, Bangalore

Client Project 1

Java Developer, Robert Bosch Engineering and Business Solutions Ltd, Bangalore

Project Name: Artus-eMercury

Period: From: Oct 2007 To: To Date

Client Name: Robert Bosch GmbH

Position: Software Engineer

Location: Bangalore:

Environment: Java, JUnit, EMF, XML, XML Beans, JDOM, SWT, JFaces, BIRT, POI, Eclipse RCP, Windows 2000

Description

Robert Bosch (<http://www.bosch.com>) is one of the world's biggest private industrial corporations. Headquartered in Stuttgart, Germany, the Bosch Group has approx. 261,300 employees worldwide, and generated annual sales revenue of 43.7 billion euros in 2006.

Artus-eMercury is an Integrated Development Environment (IDE) customized specifically for Bosch ECU software development. It is based upon the Eclipse platform and provides the ECU users with a rich user interface for viewing, creating, and editing the ECU software artifacts (MSR data, C and H files, etc.)

Responsibilities

- Involved in domain model design using EMF framework.
- Developing Editors and Views for IDE.
- Involved in Loaders and Serializer development.
- Involved in Unit Testing using JUnit
- Involved in Eclipse Plug-in development.
- Involved in Reporting module using BIRT framework

Client Project 2

Java Developer, Yodlee Infotech. Ltd , Bangalore

Project Name: Bill Pay Account Accelerator

Period: From: May 2007 To: Aug 2007

Client Name: Bank of America, US

Position: Software Engineer

Location: Bangalore

Environment: Java, JUnit, JDBC, Torque, Ant, Oracle, Eclipse, Windows 2000

Description

Yodlee (<https://www.yodlee.com>) delivers innovative financial applications that make online banking more profitable. Yodlee's financial software solutions help customers and small businesses achieve greater financial awareness, control, and satisfaction through their online channels.

Yodlee BillPay Account Accelerator minimizes the effort required for a consumer to move bill pay services from one financial institution to another. By providing a fully automated, easy-to-integrate online solution, Yodlee BillPay Account Accelerator enables financial institutions to attract new bill pay users and accelerate profitability.

Yodlee Bill Pay Accelerator:

- Is the only managed service to make switching bill pay providers easy, and
- Increases adoption of new bill pay users

Responsibilities

- Involved in Core API development.
- Involved in Developing the Import, Payment Account, and Add and Remove Modules.
- Involved in Unit Testing using JUnit.