Sathish Kalaimani

Senior Software Engineer (**Full Stack**)

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Bentonville, AR

EXPERIENCE SUMMARY

Senior Software Engineer and Full Stack Developer with **15+ years of experience** designing and delivering **scalable, enterprise-grade solutions** across supply chain, retail, and digital twin domains. Proven expertise in **software architecture, cloud-native development, and microservices**, leveraging **Java, Spring Boot, Python, Angular, ReactJS**, and **cloud platforms (GCP, Azure)**.

A recognized technical leader with a strong track record of **leading cross-functional teams**, driving end-to-end delivery, and translating complex business requirements into **resilient, high-performance systems**. Highly skilled in applying **Generative AI technologies (GenAI, Copilot, Element AI)** to **automate testing, accelerate issue resolution, enhance developer productivity, and generate actionable business insights**.

Known for delivering **robust, cost-optimized solutions** that streamline operations, improve system reliability, and enhance customer satisfaction. Passionate about **engineering excellence, continuous improvement, and building future-ready platforms** that create measurable business impact.

CERTIFICATION & PROFESSIONAL COURSES

- Stack Route (NIIT) certified Full Stack Developer QA2QE Program – Bangalore - April 2018.
- ISTQB (ISTQB Certified Software Test Engineer) – Pune – October 2012.
  Certificate No: ITB-CTFL-0050888
- Certified Software Test Engineer – Mindscripts Technologies – July 2012.
- Bachelor of Science in Information Technology, KSOU Distance Learning – August 2012.
- Diploma in Information Science & Technology, DTE Bangalore – July - 2008

Skills:

- Programming Languages: Java/J2EE, JavaScript, TypeScript, SQL, Java Script, Python
- Cloud Platform: GCP, Azure
- Technologies: Digital Twin, REST, XML, JSON, HTML 5, CSS and Bootstrap 3
- Development Frameworks: Spring Boot, Spring MVC, Hibernate, Angular, React JS, React Native, Angular JS
- Database: Azure SQL Server, Oracle, MySQL, Mongo, IBM Informix, Cassandra
- Testing Frameworks: Selenium WebDriver, Cucumber, Karate
- Tools: IntelliJ, Eclipse, VS Code, Jenkins, Spunk, Qlick (QlickView), Maven, JIRA, Jenkins, Kubernetes, Sonar, Snyk, Checkmarx, Databricks
- Operating System: Windows 7, 10, Windows Server 2003 and 2008, Mac
- Others: Firebase, Axios, Photoshop

PROFESSIONAL EXPERIENCE

Walmart. Inc   **Jan 3rd 2022 – Till Date**
Sam's Club Supply Chain Technology   **May 24 – Till Date**
Senior Software Engineer   **Bentonville, AR**

Skills   Java, Spring Boot, GCP, Azure, Databricks, REST, ReactJs, JavaScript, HTML, CSS, JSON, Junit 5, Maven, LooperPro, WCNP, Azure SQL Server, Sonar, Snyk, Checkmarx, Apiro, Copilot (AI),

Roles & Responsibilities
- Designed and developed user interfaces (UI) and APIs for the SPOT platform, ensuring scalability and robustness and leveraged GenAI to accomplish testing and code review tasks.
- Led UI development for Inbound Forecast screens and implemented ongoing enhancements since early 2024.
- Developed and maintained the Appointment GDC Inbound Forecast feature, handling both UI and API components.
- Coordinated with cross-functional team members to deliver end-to-end technical solutions.
- Addressed technical debt, including migration to Walmart's MSSQL JDBC driver.
- Developed logic to read email from a shared inbox and read specific emails.
- Also implemented logic for replying to email once the process executes successfully.
- Used GenAI to analyze exception as and when they are thrown in production environment and then send an insight and possible solution for the issue to speed up the debugging process.
- Saved cost by switching Logic App to API approached email triggering for DSV.
- Used GenAI/Copilot to develop unit tests.
- Used GenAI (Element AI) to generate insights for email sent out by SPOT for Trailer Forecasting.
- Worked on Databricks notebooks to fix issues related to data pipeline (ETL) and also fix some issues related to simple forecasting models.
- Used GenAI/Copilot to develop an ML model using XGBoost to learn and predict user action on SPOT screens.

Key Achievements
- Resolved almost all production UI and API issues within 2 days, ensuring high system reliability and minimal downtime.
- Maintained code coverage for all APIs to 100%, boosting code quality and maintainability.
- Addressed and resolved a Cloud Cost optimization ticket, reducing cloud spend from over $10,000 to approximately $2,000.
- Maintained consistency in deliverables and demonstrated commitment to learning and applying new technologies, including machine learning.

Walmart. Inc   **Jan 3rd 2022 – Till Date**
Sam's Club Supply Chain Technology   **Jan'22 – April'24**
Software Engineer III – Full Stack / Lead   **Bentonville, AR**

Skills   Java, Spring Boot, GCP, Azure, REST, ReactJs, JavaScript, Typescript, HTML, CSS, JSON, Junit 5, Maven, Looper, WCNP, Azure SQL Server, Hibernate, Sonar, Snyk, Checkmarx, Druid

Roles & Responsibilities:
- Developed several micro services based on Spring boot.
- Worked on Data pipeline and orchestrated on Azure Data Factory.

- Developed Python based data pipelines using Databricks and exporting tables to blob storage
- Developed backend services using Spring boot framework and front end using Angular framework.
- Developed the application as cloud native and deployed in Pivotal Cloud Foundry platform
- Worked in Extreme Programming flavour of agile methodology
- Implemented coding standards and refactoring in every stage to provide flawless code
- Code Integration and Code Review
- Support of bug fixes and issues reported in Production environment in real time
- Developed UI based on Angular for error management
- Production Support

Achievements:
- Awarded "Bravo" Award for overall performance for the quarter.

PREVIEW EXPERIENCE – 11.2 Years

Wipro Technologies Oct 31st 2010 – Dec 31st 2021
Client - FedEx Corporation Feb'20 – Dec'21
Senior Java Developer / Lead (Full Stack) Colorado Springs, CO

Skills Java/J2EE, Spring Boot, REST, Angular, JavaScript, Typescript, HTML, CSS, JSON, JUnit, Maven, Jenkins, PCF, SQL, Hibernate

Roles & Responsibilities:
- Developed several micro services based on Spring boot for JMS.
- Developed backend services using Spring boot framework and front end using Angular framework.
- Developed the application as cloud native and deployed in Pivotal Cloud Foundry platform
- Worked in Extreme Programming flavour of agile methodology
- Practiced Pair Programming and Test Driven Development to deliver quality products
- Implemented coding standards and refactoring in every stage to provide flawless code
- Code Integration and Code Review
- Support of bug fixes and issues reported in Production environment in real time
- Onsite/offshore coordination
- Developed UI based on Angular for error management
- Developed Automation Scripts using Cucumber and unit tests based on JUnits.
- Production Support and debug and fix issues reported in Production.

Achievements:
- Awarded "Fantastic" Award for overall performance from Clients.
- Multiple Appreciation and recognition for delivering quality product.

Wipro Technologies Oct 31st 2010 – Dec 31st 2021
Client - Walmart Inc., Nov'19 – Jan'20
Senior Java Developer / Lead (Full Stack) Bentonville, AR

Skills Java/J2EE, Spring Boot, REST, JUnit, Maven, Jenkins, Tririga, SQL

Roles & Responsibilities:
- Develop framework to trigger soap web services and automate daily jobs into database.
- Develop solution to automatically trigger automation code from looper(Jenkins) once OM Packages are imported successfully.
- Develop solution for loading large number of leases into database for multiple markets from Looper
- Automate Scripts using Selenium Web driver

Wipro Technologies Oct 31st 2010 – Dec 31st 2021
Client - Electrolux, (DFMEA-Design-Failure Mode Effects Analysis) Aug'19 – Nov'19

Senior Java Developer(Full Stack)   **Bangalore, India**

Skills   Java/J2EE, Spring Boot, REST, Angular JS, JavaScript, HTML, CSS, JSON, Maven, SQL, Hibernate

Roles & Responsibilities:
- Application Enhancement based on the customer's feedback
- Fixed several defects raised by the end users.
- Developed new web-service for adding categories and sub categories.
- Developed new User interface using Angular Js for the UI enhancement
- Integrate the UI and the web-service to make sure the functionality works as expected.
- Integrate the new functionality with the application and make sure no defects are introduced.
- Unit Testing of the code and Functional Testing of the Application.
- Database cleaning or making correction to the data in the database on production system.
- Deploying the application using Tomcat Server to production
- Solitarily developed, integrated, tested and deployed the application during the tenure

Achievements:
- Appreciation for work done from a very tough customer just after a week of taking over the job.
- Delivered the application before the deadline allowing the customer to have ample time to test.
- 0 defects reported once the application was deployed to production.
- Customer appreciation for making the application more user friendly

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Wipro Technologies   **Oct 31st 2010 – Dec 31st 2021**
Client - Walmart Inc.,(Digital Twin)   **Aug'18 – Jul'19**
Senior Java Developer / Lead (Full Stack)   **Bangalore, India**

Skills   Java/J2EE, Spring Boot, REST, React JS, JavaScript, HTML, CSS, JSON, Maven, SQL, Hibernate, Splunk, IBM Informix, Cassandra, Mongo DB

Roles & Responsibilities:
- Lead a team of Engineers towards successful deliverables.
- Understand the implementation of the existing API, functionalities and application.
- Developed server side and standalone end to end application workflow to help simulation triggered from Tecnomatix
- Developed interface for database using JDBC and extract production log from Splunk using Splunk SDK and processing the data to feed to plant simulation as a starting point.
- Automated already existing API to simulate some daily events using core java and Java's HTTP API.
- Integration and Unit testing of the developed code/application Code review, defect analysis and defect fixing.
- Review Code changes and maintain the versions of the code as and when the code is changed.
- Participate in all meetings planned for particular release and planning, design review, code review
- Mentoring Junior Engineers and Coach them.
- Gather Requirements from the application architect and business for developing the application.

Achievements:
- Appreciations from Higher Management for delivering the product week before the planned deadline.
- Learned Java-FX and ReactJs to develop the application based on requirement.
- Developed a framework on ReactJs UI and Spring Boot Backend for Digital Twin Projects

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Wipro Technologies   **Oct 31st 2010 – Dec 31st 2021**
Client - Walmart Inc.,(NextGen Pricing)   **Dec'15 – Aug'18**
Senior Quality Engineer   **Bangalore, India**

Skills Java/J2EE, SQL, Selenium, SAP Hana, HTML, Manual Testing, Cassandra, MS SQL Server

Roles & Responsibilities:

- Lead a team of Test Engineers from offshore
- Database testing with SAP Hana, MS SQL Server and Cassandra. Data Science Testing for UI
- Developing Automation Scripts using Selenium Web driver and Cucumber Framework.
- Coach, monitor, and train teammates. Assign Testing Features to the Team.
- Participate in all meetings planned for particular release and such meetings includes, design review,
- test execution timeline etc.
- Perform tests on the application and raising defects, reviewing defects raised by team members.
- Work closely with software developers to test and develop and maintain the business application.
- Test signing off once the Testing is completed and read for Production

Achievements:

- Customer Appreciations from Higher Management (Director and Presidents) for 0 defects in UAT.
- Developed a Web tool that covers 90% of regression test case using Java Servlet, JSP and Database.
- Completed 75% of automation of the project individually though a dedicated automation team

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Wipro Technologies   **Oct 31st 2010 – Dec 31st 2021**
Client - Olympus Inc.,   **Dec'13 – Dec'15**
Senior Quality Engineer   **Bangalore, India**

Skills Manual Testing, HP Quality Centre ALM

Roles & Responsibilities:

- Basic Knowledge of QlikView Developer and Designer,
- Launching QlikView on different environment types like Standalone, Peer to Peer and Server Node,
- Verify the report generated in QlikView after launching through the parent application,
- Debugging QlikView file if required and Making changes as per customer requirement.
- Setting up Standalone, Peer to Peer and Server Node Test Environment for QA Testing.
- Performing Smoke Test on latest QA build,
- Worked on Validation and Verification Software Development Cycle,
- Executing Functional Test cases on QTP,
- Running Regression Testing on the QA build,
- Performance and Recovery Testing,
- Reporting Bugs in HP ALM and tracking them to closure until closure,
- Performing Exploratory Testing
- Preparing Post approval (Test Result) Documents

Achievements:

- Solitarily worked on an individual application and successfully released with best Quality
- Achieved multiple appreciations from the clients for Quality and meeting the specified Target before deadline
- Developed a VB script along with a colleague for consolidating and formatting Excel.

Wipro Technologies   **Oct 31st 2010 – Dec 31st 2021**
Client - Origin Energy   **Oct'10 – Dec'13**
Subject Matter Expert (SME)   **Pune, India**

Skills MS Excel, SAP CRM, SAP – ISU Billing, Analytical Skills, Communication Skills and Leadership Skills

Key Responsibilities

- Desk Based Investigation
- Experience working on SAP CRM and ISU-Billing
- Attending Weekly Calls with the clients

- Testing New Technical Bulletin
- Created New Technical Bulletin (work flow document)
- Reporting any required changes or errors from Technical Bulletin
- Managing Team Data and Work Details
- Allocating Work to the team

Awards and Recognition

Award Name	Month Year
Bravo	2023-November
Fantastic!	2021- January
Outstanding Performance[Extraordinaire]	2018 - August
Inspiring Performance [Customer Centricity] -	2016 - July
Round Of Applause[Extraordinary Commitment]	2016 - June
Feather in My Cap	2015 - July
BU-Shining Star	2015 - May
Best Representative for the Quarter	2013 - April

Key accomplishments

- Developed an auto configure library to be added in all Spring boot microservices to configure Swagger, rest template etc.
- Developed a utility to trigger Looper(Jenkins) job automatically once Tririga OM package import is completed.
- Developed an application to reduce 3 days testing efforts to less than 3 hours for data science features.
- Developed a framework based on ReactJs and Spring boot for Digital Twin project.
- Developed a virtual assistant for personal use on personal laptop built on Python 3.7.
- Top performer of the Batch while pursuing Full Stack Developer Program while managing work.
- Expertise in Digital Twin server side and standalone application development.

PREVIOUS EXPERIENCE – 1.5 Years

Shah & Co- The Raymond Retail Shop	May 7th 2009 – Oct 25th 2010
System Administrator	Belgaum, India

Key Responsibilities:
- Order stock and maintain stock report on monthly basis
- Prepare monthly sales report to the Company
- Send correspondence to the company and other retails
- Email stock details to the company on regular basis
- Prepare quotation for commercial customers; s in the absence of the billing executive