

# KARTHICK B

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Senior Engineer with 7+ years of experience in designing and implementing using java principles. Successful in determining project scope, creating project parameters, designing technical drawings to meet objectives, and building project deadlines that lead to on-time completion. Proficient communicator in working with teammates to solve problems that arise during implementation. Love to explore, code and debug.

## CERTIFICATIONS

### ASSOCIATE CLOUD ENGINEER – GOOGLE CLOUD PLATFORM

- Certified on October 17<sup>th</sup>, 2022.  
<https://www.credential.net/f28eb68c-855d-4840-8124-06f89a956dd7>

### AWS CERTIFIED DEVELOPER ASSOCIATE

- Certified on January 30<sup>th</sup>, 2023.  
[https://www.credly.com/badges/e47e7cec-4c0f-4d88-abbe-ea6ad749d01c/linked\\_in?t=rpb5pk](https://www.credly.com/badges/e47e7cec-4c0f-4d88-abbe-ea6ad749d01c/linked_in?t=rpb5pk)

## PROFESSIONAL EXPERIENCE

### Tata Consultancy Services Limited (Dec 2020 - Present)

JANUARY 2023 TO PRESENT

### SENIOR ENGINEER – JAVA MICROSERVICES AWS

Customer: Signify

Working model: DevOps

#### Summary

- Create microservices using java spring boot following the principles and micro service strategy.
- Write unit test cases to cover all test scenario's using Junit and Mockito.
- Maintain and deploy service endpoint using API Gateway.
- Use terraform to maintain the infrastructure as code and build them using CI/CD pipelines typically Jenkins.
- Deploy container images to Elastic container Registry and run ECS services with fargate.
- Worked on creating App sync resources.

## TECHNOLOGIES/ TOOLS

- AWS resources -> ECR, ECS , Appsync, Dynamo DB, S3, API Gateway, Application load balancer, Lambda, IAM roles, SQS.
- Core Java, Restful webservices, Sprint boot framework, Reactive Programming, GraphQL, App Search engines.
- Bit bucket, Git, JIRA, ServiceNow, SQL Developer, IntelliJ, terraform, Jenkins.

## DECEMBER 2020 TO DECEMBER 2022 SENIOR ENGINEER – CORE JAVA

**Customer:** Signify  
**Working model:** DevOps

### Summary

- Enhanced standalone web application that is built using Apache cocoon framework to parse and validate the huge set of data in XML and export them to external systems like AEM. The application was built using core java embedded with XSLT transformations and UI built using XHTML.
- Handled and worked on enhancements for a web shop application built using JAVA spring with hibernate and data base as oracle.
- Developed a sprint boot web application from scratch for search purpose to fetch result from large number of external API's. Used thymeleaf for UI development.
- Automated process to generate sanity reports using JAVA Maven.
- Automated testing using TESTNG framework to validate the unit test cases.
- Setup the monitoring for linux servers in the projects landscape using ELK stack.

### Key qualifications and responsibilities

#### DEVOPS ENGINEER:

- Working on user stories part of JIRA based on requirements discussed during sprint planning's from business analysts and product owner using technology stack such as XSLT, Core Java, Java Script, Shell Scripting.
- Handling operations via incident management.

#### RELEASE MANAGER:

- Had also held the position release manager which involved in gathering stories for release, release planning, deployment planning, release strategy planning and release meeting with key business stakeholders.

## **MONITORING LEAD:**

- Monitoring application server's infrastructure, application health using ELK stack.
- Configuring beats agent on application servers to ship the data to elasticsearch.
- Create dashboard for various scenarios to provide overview on CPU utilization, system health status, logs with severe message, user hits.
- Setup alerting when failures or anomalies detected.

## **TECHNOLOGIES/ TOOLS:**

- Core Java, Restful webservices, Sprint boot framework, TestNG, Maven, Hibernate, Spring, Struts, XSL transformations, shell scripting, Java script, ELK Stack, Dynamo DB, SQL
- Bit bucket, Git, JIRA, ServiceNow, SQL Developer, IntelliJ.

### **Key achievements**

Got recognition from customer for bringing in new ideas part of automation.

## **Wipro Limited (June 2015 to December 2020)**

**2017 TO 2020**

### **DEVELOPER APPLICATION MODERNIZATION**

**Customer: Signify**

**Working model: Devops**

#### **Summary**

Interfaced with cross-functional team of business analysts, developer's, and technical support professionals to determine comprehensive list of requirement specifications for applications.

Worked on application that is built using Apache cocoon framework to parse and validate the huge set of data in XML and export them to external systems like AEM to publish them on website.

#### **Key qualifications and responsibilities**

- Developed an automated regression test setup using Java TestNG framework and integrated with CI/CD tool – Jenkins for a scheduled build.
- Developed a java REST API to fetch the data present on XML's. The API was consumed by the Kore.AI team which helped users interact with chat bot to fetch data.
- Good knowledge on tomcat servers to host applications.
- Setup the ELK stack to monitor the system metrics (Linux), logs and health status of three applications by passing on information using beats.
- Created dashboards using Kibana for the data that the beats had exported.
- Setup alerting mechanism using elasticsearch alert and watchers to manage systems abnormal behavior.

- Worked on a middle known as STEA, a customized application built on apache cocoon framework which uses XSLT parsers to validate XML data send by source system and export them to end channels.
- Good exposure towards repositories like SVN, Bitbucket.
- Worked on enhancements on a project known as Tradelink which was developed with spring MVC.

### TECHNOLOGIES/ TOOLS:

- Core Java, XSLT, Unix Shell scripting, Java script, ELK Stack, Dynamo DB, SQL, Restful Webservices.
- Bit bucket, Git, JIRA, ServiceNow, SQL Developer, IntelliJ, Jenkins

### Key achievements

- Received appreciation and certification from customer for overall performance in terms of customer satisfaction.

2015 – 2017

### JAVA WEBSERVICE DEVELOPER

**Customer: GlaxoSmithKline**

**Working model: Agile**

### Summary

Directed in software design and development across two-member development team while remaining focused on meeting client needs for functionality, timeline, and performance.

### Key qualifications and responsibilities

- Worked on enhancement and development of java – ws webservice by using axis2 wsdl2java implementation.
- Developed standard logics using core java with exposure towards its core features.
- Having sound knowledge on authorization of webservices.
- Gained experience on writing PL SQL queries.
- Had an exposure towards Jboss server.
- Used SOAP UI to validate the webservices responses.

### TECHNOLOGIES/TOOLS:

- Core Java, WSDL, Axis 2, Java Script, Oauth authentication, Java Script, PL/SQL.
- SVN, SOAP UI, PLSQL Developer.

## EDUCATION

DECEMBER 2019

**MTECH IN SOFTWARE ENGINEERING - WILP**

**BITS PILANI, BANGALORE**

GPA: 7.51/10.0

MARCH 2015

**BACHELOR OF COMPUTER APPLICATION**

**KRISTU JAYANTI COLLEGE, BANGALORE**

Percent: 76%

## ACTIVITIES & INTERESTS

- Movie Script Writing
- Mime
- Dancing
- Cricket
- Travel