**Saurabh**

Contact: sgjun01@gmail.com

+1 669-248-2551

# PROFESSIONAL SUMMARY

IT Professional with **12+ years** of working experience of **java development** and performance testing in **Retail, eCommerce and APM domain.**

✔ Expertise on **Core Java** Technologies like Multithreading, Collections, Exception handling, Bytecode Instrumentation.

✔ Expertise in **Rest API**s, **microservices**, **JSON, Spring Batch** with **Spring Boot** framework**, WS-Security.**

✔ Expertise on several design patterns including Singleton, factory, adaptor, producer consumer model, DAO, DTO **,** ByteBuffer**.**

✔ Expertise in **TDD development with JUnit.**

✔ Expertise in SDLC (Software Development Life Cycle) that includes Requirement analysis, Design, Coding, Testing, Implementation, Maintenance with methodologies like **Agile** and waterfall models.

✔ Hands-on experience in shell scripting languages like **Unix**, Linux.

✔ Experience with **Maven** scripts for building and deploying the application.

✔ Experience with **Oracle, MongoDB** and **MySQL.**

✔ Expertise in messaging systems like **Kafka**, **Aeron.**

✔ Experience in cloud platforms like OpenShift, GCP and AWS.

✔ Expertise in **performance testing** of client application that includes pre-& post-production testing, stress testing, web-based testing, database testing, downstream systems testing, system integration testing, non-functional testing, profiling testing (white-box testing), endurance testing, load testing, Automation Testing.

✔ Experience in APM tools like **Dynatrace**, **Gremlin**, AppDynamics, Splunk and Netdiagnostics.

✔ Experience in handling projects from scratch, migrating from legacy to cloud, working on product POC and end to end products deployment & configuration of new environments. Strong debugging and troubleshooting skills.

# SKILLS & TECHNOLOGY USED

## Languages

* Proficient in: Java 8 ,Spring Boot and Microservices, Bytecode instrumentation, Services(REST & SOAP), Databases
* Familiar with: PL/SQL, Mongo, Couchbase

## Software

* **Framework** : Spring MVC, Junit
* **Databases** : Oracle, MySQL, Mongo.
* **Tools** : Eclipse, Intellij , GIT, Jenkins, Jira, Bugzilla, ServiceNow
* **Cloud Technologies**:- Docker, GCP , AWS, Kubernetes
* **FTP Servers**:- WinSCP, Putty, FileZilla.
* **Servers**:- Weblogic, Tomcat, ATG
* **Performance Tools**:- Splunk, Wireshark, Fiddler, Soap UI, Jmeter, Dynatrace, AppDynamics, Netstorm, NetDiagnostics, NetOcean, NetVision
* **Platforms**: Linux, Windows, Ubuntu
* **Messaging Systems**:- Kafka, Aeron, IBM MQ, Tibco
* **Protocols**:- TCP/IP, UDP, HTTP, FTP, SOAP

# EXPERIENCE

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| Sr. Java Developer | Sep’21 – Till Date |

Moneygram, TX USA

**Projects :-**

**1. Cloud Migration**

* Architecting and modernizing Soap Webservices by converting into Rest microservices.
* Using Apache camel routes and Kafka based system to enhance performance and stability.
* Using Couchbase and Oracle DB for different platforms.
* Developing applications using Spring Batches, Hibernate, multiple databases, complex data structures and distributed systems like Apache Kafka
* Participating in the development of the applications into existing systems and AWS Cloud Platform using CICD methodologies, Maven and Jenkins.
* Developing and implementing test validations of the application using JUNIT.

**Environment**: AWS, Couchbase, MongoDB Git

**Tools**: Intellij, Jira, Confluence

**Skills**: Java 8 ,Spring Boot and Microservices, Rest Services, Spring Boot, Apache kafka, Camel Routes

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| Senior JAVA Developer | Oct’20 – Sep’21 |

CGI/PNC [contract through Mastech Digital] , OH USA

**Projects :-**

**1. Tech Modernization**

* Migrated Legacy code to containerized Spring boot Microservices framework v2.2.6 managed by Openshift Container Platform.
* Provided developers support for critical testing and provided immediate code bug fixes on valid defects.
* Deployed code releases from GIT and Bitbucket pipeline into OpenShift Platform
* Engaged with clients on ongoing developments, discussed challenges and presented solutions.
* Used the Spring framework and micro service architecture to interact with different REST APIs, leveraging AWS instances to build and deploy the REST services.
* Used TDD approach with JUnit for application development.

**Environment**: OpenShift, Oracle DB, MongoDB, Teradata DB, Git

**Tools**: Intellij, Jira, Confluence,

**Skills**: Java 8 ,Spring Boot and Microservices, Rest Services, Spring Boot, Junit

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| Product Architect, Consultant | Apr’20 – Oct’20 |

*Cavisson Systems, WI USA*

**Projects :-**

**1. NetDiagnostics: Product architect.**

* Product Lead for Application Architecture and System Design Decisions. Participate in the complete SDLC including performance analysis, design ,development and testing using agile methodology.
* Used the Spring framework and micro service architecture to interact with different REST APIs, leveraging AWS instances to build and deploy the REST services.
* Used Apache Kafka to consume and publish alert- based messages in a distributed architecture.
* Utilized the Aeron message system to interact with C libraries, heavily leveraging ByteBuffer.
* Participated in high and low level architecture design for moving legacy to AWS cloud infrastructure.
* Provided scalability with MongoDB. Moved several components from Oracle DB to Mongo.
* Used TDD approach with JUnit for application development.
* Designed the application using Spring Framework leveraging IOC, Spring MVC, Spring security, dependency injection, Spring actuator, JPA.
* Design product for SaaS ready solutions, utilizing programming concepts like java Multi-threading, data structures, concurrency.
* Product design includes microservices, data indexing for big data, and storage architecture.
* Developed the product using Maven as a dependency management tool.
* Used GIT for all check-in, committing and version control.
* Used SLF4j as a logging framework to track application errors and flow.
* Assist/coach/lead team members in Product Development. Solely Accountable for complete Product delivery.

**Environment**: AWS, Linux, Oracle DB, MongoDB, Weblogic, Git

**Tools**: Eclipse, Dynatrace, Splunk, Jira, Confluence, Fiddler, Netstorm

**Skills**: Java 8 ,Spring Boot and Microservices, Rest Services, Spring Boot, Kafka, Junit

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| Java Developer, Consultant | Dec’15 – Apr’20 |

*Cavisson Systems, WI USA/Kohls, Menomonee falls WI USA*

* **Product specialist for APM solution.**

1. Provides tools and frameworks to engineering teams to benchmark and measure performance of the application during the development life cycle. Hands on with shell-scripting and java scripting.
2. Heavily used Spring Framework (IOC, Spring MVC, Spring security, dependency injection, Spring actuator, JPA) and Rest services for product development and enhancement.
3. Created instances, deploying applications on GCP and on AWS cloud.
4. Experience in creating/configuring load balancers, deploying applications and load balancing the incoming requests to the instances on GCP.
5. Created Kafka based client server architecture from scratch. Also leveraged Aeron messaging for communicating to clients based on the C library using ByteBuffer.
6. Used TDD approach with JUnit for application development.
7. Used SLF4j as a logging framework to track application errors and flow.
8. Used service virtualization of third party calls to test the code in the local environment before moving to production.
9. Coordination with customer and offshore team to deliver product integration deliverables.
10. Designing product integration modules with microservices, core java, multi-threading, concurrency.
11. Participated in Performance Test planning for application for Production and Stress Env. Provided Signoff (pass/fail) notifications for production changes.
12. Work with multiple Product Teams for Test Planning and provide resolutions and recommendations for performance improvement.

* **Performance Engineering & testing with Cavisson products**

1. Used self-developed APM solution ***Net Diagnostics*** for Performance engineering for Kohls application across Web and Mobile Platforms.
2. Understood the Architecture Design of the applications. Identify Individual application dependencies components like database, caching, API layers and provide inputs for performance improvements.
3. Worked on Application ,Server and Network level performance metrics like JavaGC, CPU, Memory and network protocols.
4. Create/update microservices in Cavisson products based on new client requirements.

**Environment**: AWS, GCP Linux, Oracle DB, MongoDB, Weblogic, Git

**Tools**: Eclipse, Dynatrace, Splunk, Jira, Confluence, Fiddler, Netstorm

**Skills**: Java 8 ,Spring Boot and Microservices, Rest Services, Spring Boot, Kafka, Junit

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| Java Developer | Jun’12 – Dec’15 |

*Cavisson Systems, Noida, India*

**Projects :-**

**1. NetDiagnostics: APM solution for Java Applications.**

* Worked for Application Architecture and System Design Decisions. Participate in the complete SDLC including performance analysis, design ,development and testing.
* Assist/coach/lead team members in Product Development. Solely Accountable for complete Product delivery.
* Sound knowledge of Data Structures and Algorithms. Some of them incorporated into the product are Method Hostspot, JMX Monitoring, AutoInstrumentation.
* Solving “Java.lang.verify error” in Java Agents.
* Used Log4j as a logging framework to track application errors and flow.
* Provide Production support Helpdesk ticket assistance with analysis and research of production problems ,user questions and system usage inquiries.
* Release Documentation.

**Environment**: Linux, Oracle DB, Weblogic, Git

**Tools**: Eclipse, Bugzilla, Confluence, Fiddler, Netstorm

**Skills**: Java, ASM

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| System Engineer | Jan’10 - Jun’12 |

*Tata Consultancy Services, Noida, India*

**Projects :-**

**1. Quantas Airline - Supply Chain**

* Implemented changes in client application using Unisys Mainframe
* Error and failure analysis
* Optimized code by writing microservices.
* Automated manual processes that saved a lot of time.
* Release Documentation.
* Interacted with onshore resources for requirement

**Environment**: Unisys Mainframe

**Tools**: Ultra Edit

**Skills**: Cobol

# EDUCATION

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| Bachelor in Information Technology | Noida, India | 2005-2009 |