

NAGARJUN.N.M.

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Career Objective:

Technical Specialist with expertise in messaging systems and full stack development for over 10 Years of Industry Experience. Independent Contributor in designing and developing applications. Conducting R&D and POC on emerging technologies related to Java, other programming languages, and DevOps tools. Proficient in new methodologies like Scrum and Agile during software development. Developing 12-factor applications. Managing the complete life cycle of applications.

Technical Expertise		
Skills	Experience	Awareness
Languages/Technologies	Java-1.8, 11, 17; SQL, JavaScript; HTML5; CSS3;	Node js; R Programming; Python(v.3.3); Angular; Unix Scripting
Frameworks	SpringBoot; Spring; Spring Integration; Spring JDBC; Hibernate; JPA	Spring Security;
Messaging Infrastructure	Kafka, Artemis, Fiorano; Kafka Streams	Rabbit MQ; KSQL DB;
Cache Tools	Redis; Apache Ignite	
Architectural Styles	Event driven; Micro Service; Hexagonal;	Domain Driven Design;
Web Technologies	JNDI, JMS, Web-service (REST), Servlet, JSP, Quartz-Scheduler-2.1, EhCache; Spring Batch;	Ignite Cache; XML; JAX-RS; JAX-WS;
Software & Tools	Intellij Idea, Eclipse, VMware fusion; SOAPUI-v.5	Eclipse, RStudio; Anaconda; Spring Tool Suite
Database, Tools	Oracle-20, IBM DB2 (AQT-v.8.1); MySQL-v.5.6 (workbench-v.6.3)	MongoDB-v5
Unit Testing	Junit, Mockito	Jmock
Acceptance/Integration Testing	Cucumber (Behavioral Driven Development); Test Driven Development	Component Driven Development
OS	Windows10/11; Ubuntu (For Administration)	Windows server 2008 R2; MAC OSX
Observability Tools	Grafana; Splunk; ELK Stack	
Build Tools	Maven-3.6; ANT-1.8.3; Ivy	Gradle
Other Tools	Zookeeper; PlantUML; Flyway;	Camel
Web Servers	Tomcat-8; WAS-8; Jetty-8.0.1	Wildfly-v.10.1.0
Project Tools-(Scrum)	Jira; Miro; Atlassian; HP's QC	Rally
Integration Tools	GitLab; Bamboo V5; Jenkins;	Quick Build-v.6.0.1
Cloud Tools	ECS	AWS, S3, EC2, EKS, IAM, Cloud Security
Containerization Tools	Docker, Nomad, K8s	
Versioning Tools	Git; Bitbucket; GitLab; SVN	ClearCase-v.8.0.1; ClearQuest-v.8.0.1
Code Review Tools	Sonar 5; FindBug	
API-Documentation Tool	Swagger Tool	
Functional/Domain Knowledge	Stock Trading Domain; Financial Instruments; Ledgers, Order Management;	Retail Banking
Trainings Attended	Attend Great International Developers Summit (GIDS) every year. Attend couple of trainings/sessions on Technologies in O'reilly, Udemy, Linkedin learning.	

Responsibilities as an Employee	
Project/Team Coordination	Coordinate with project team, Supervise/lead as well as exchange knowledge. Adhere to agile methodologies using Scrum Project Tools , Group discussions.
Daily/ Weekly Activities	Attend daily status meeting with Team, interact with the Team Managers and Architects, Create service endpoints and adopt designs based on the new requirements, or issues as per Sprints iteration story plan. Attend Sprint grooming sessions, retrospective session, Story planning, UAT and Demo meetings.
Monthly Activities	Client- s i d e status report- Client meeting, provide/attend trainings, technical seminars. Bi-Weekly interaction with the Scrum master, Technical Managers, architects on the projects.
Others	Design and Develop application, Project documentations, R&D on new technologies, set company yearly goals, Provide updates, defining the architectural tasks for the projects. Responsible for complete development of an applications from scratch till Production ready. Defining and developing the NFRs for the microservice apps. Adopt Industry best practices within the team.

Academic Profile:

Course	Year	Institution	Board	Aggregate
B.E.	2013	Atria Institute of Technology	Visvesvaraya Technological University	75.52%
P.U.C	2009	Seshadripuram Composite PU College	PU Board	85.00%
SSLC	2007	Seshadripuram High School	Department of Secondary Education	85.54%

Work Experience

June'2018 – Till Present: IG Group	
Project	Instrument Renovation Project
Environment	Kafka, Open Jdk 11, SpringBoot; Web services; IntelliJ, Oracle; Tomcat; Windows 10, Ubuntu, mockito, REST, Grafana, Bamboo Pipeline (CI/CD), Cucumber, Splunk, AppDynamics.
Role	Technical Specialist

Complete renovation of the existing Instrument Management Systems to cater the Instruments for trading. Building the new Microservice applications around the SAAS product, from scratch till making it production ready.

Adoption of Domain Driven Design to build the complete Instrument management systems from scratch.

Responsible for:

- **Served as a Subject Matter Expert (SME) for a business domain**, which enabled the development of a comprehensive renovation plan for the business.
- Innovating on **POCs for adopting new infrastructure/software** for an application.
- Implementing **containerization and Nomad** in the application.
- **Leading architectural design discussions with architects on the renovation program**, providing valuable insights on systems.
- Responsible for complete **development of an applications from scratch till production ready**. Responsible for considering all the NFR's. Which includes **12 factor apps principles**. And other configuration of observability apps including **AppDynamics, Grafana, Bamboo (CI/CD Pipeline)**.

- Defining **SLA, SLO, and SLI**, Performing the **Chaos testing, Integration Testing (BDD)** etc. Focusing on observability of the apps by achieving the NFRs for the same.
- Vulnerabilities checks and code analyze using find bugs and fix bugs and Review of the Pull requests of the peers. **Providing the Technical aid** for migration of existing flows to new architecture.

June'2018 – Till Present :- IG Infotech Pvt Ltd	
Project	Enterprise Data Team
Environment	Kafka, Artemis, Fiorano, Java 8, SpringBoot; Web services; IntelliJ; Tomcat; Ubuntu, mockito, REST, Grafana, Bamboo Pipeline (CI/CD), Cucumber, Splunk, AppDynamics.
Role	Senior Software Engineer

Responsible for:

- **Worked on POC's to set the baseline performance of Kafka** depending on the needs of organization and setting the standards.
- Extensive work on Messaging Infrastructure and Development of applications using Java 8 and Spring Boot.
- **Migration of the Fiorano MQ to Artemis MQ and Kafka** for all the critical Dealing flows and non critical flows.
- **R&D on Artemis MQ and Kafka and its use cases in the IG application.** Providing the technical challenges to the Artemis Support team and getting the issues of Open source Software's fixed.
- Responsible for entire development, testing and deployment of the applications to AWS post migration.
- **Developed Artemis and Kafka Libraries** which in-turn extensively used for migration of all the flows in different micro services.
- **Was part of the Architectural design** of Migration and prepared Architectural design Document, Technical Specifications Document, UML Diagrams.
- Developed and configured the **AVRO for Kafka support and AMQ broker.**

Sept'2016 – May'2018: SLK Software Services Pvt Ltd	
Project	Omni Channel Offers
Client	Fifth Third Bank
Environment	Spring-MVC; Batch; Web services; DB2-SQL; WAS8; Windows 7, Ubuntu, jmock, REST, JavaScript, Bootstrap, Spring Batch; Quick Build Tool, clearcase tool
Role	Senior Software Engineer

It's a multi-channel approach to Sales which avails offers to consumer's in-turn providing a customer with seamless experience of availing the Bank benefits either through online or offline with a total generic solution as a whole.

This Product is used by Bankers to create the Offers on various products available in the Bank to attract customers and thereby increase Sales. Solution includes Offer creation, Redemption, Fulfillment tracking and payout.

Responsible for:

- Configuration and development of the RESTful Web-Service Components.
- Development of the Batch component.
- Writing the bean classes, Service layers, Services calls in Web Services.
- Development of UI components (Templates) includes Bootstrap, JavaScript, JQuery, Angular and integration with the backend systems.

- Development of Admin tool for Projects related to Back-end (In case to address critical request like manual payout for elite customers, Lucky draw winners etc.)
- Implemented the different design patterns like, Spring MVC, Façade, Builder, Singleton.
- Prepared Architectural design Document, Technical Specifications Document, UML Diagrams.
- Developed a YAML documentation to share the channels for integration of the web services.
- Peer Reviews on the code.
- Vulnerabilities checks and code analyze using find bugs and fix bugs.
- Build Management-write ivy script for maintaining the centralized local repositories.

Jan'2014 – July'2016: IGATE Global Solutions - Capgemini	
Project	LITE (Lightweight Integrated Test Environment)
Client	CHUB, IGATE Global Solutions Ltd Internal
Environment	Spring, Hibernate, JSF, Jersey Web services, Mysql, Tomcat, VMware Fusion, VirtualBox, ThinVNC, noVNC , Mac OSX, Windows 7, Ubuntu, Log4j, JAX-RS, REST, JSF
Role	Senior Software Engineer

LITE is a web based testing tool, to test web applications / web sites, to check compatibility across different browsers, on different versions and across different operating systems. Tester can actually test their web application on any specified combination of OS + Browser + Version. It is an automated test, in which screen shots are captured and sent to the tester via email, for a specific URL and combination of various browsers and versions.

Responsible for:

- R&D on VMware fusion on MAC OSX, ThinVNC, noVNC
- Followed design pattern like Strategy, MVC, Façade, DAO, Factory Design patterns etc.
- Writing Backing Beans Classes, Domain Classes, Service Classes, Restfull services (Jersey).
- Designed the Core project structure.
- Wrote initial configuration files – Application Context xml , persistence xml, database properties files.
- Integrated Spring, Hibernate.
- Introduced i18n Internationalization and theme concepts.
- LDAP integration, SSL certificate generation - run application on https, add security features
- Prepare Architectural design document, User Manual, ER model, UML diagrams etc
- Been a part of the COE team for implementation of the project.
- Developed and designed code with the Mysql as backend using the Spring MVC.
- Configure tomcat and handle deployment.
- Application maintenance and take new requirements
- Bug fixings and do admin tasks through application UI.

Other Activities & Hobbies:

- Frequently solve practice problems and participate in competitions on platforms like HackerRank, HackerEarth, and TechGig, maintaining my status as a technology enthusiast..
- Interested in contributing to open source projects and learning new programming languages such as R and Python.
- Regularly attend various technical seminars and webinars.
- Have delivered multiple technical seminars to a wider audience.
- Conducted several training sessions on Java basics for team trainees.
- Act as a mentor to Team trainees in shaping their carrier.

Achievements:

Participated in State level yoga competition in the year 2005 and secured 1st place.

Personal Data:

Name	Nagarjun N M
Date of Birth	18.05.1991
Gender	Male
Nationality	Indian
Marital Status	Married
Linkedin Profile	https://www.linkedin.com/in/nagarjun-n-m-480b4063/
Website	https://nagarjunmallikarjuna.github.io/
Alternate Email	nagarjun.mallikarjuna@outlook.com ; nagarjun.mallikarjuna@gmail.com ;
Interests	Gaming, Enjoy Travel, sports, music, watching TV shows
Address	#1249, 3 rd cross west, 1 st main, L.N.Colony, Yeshwantpur, Bangalore – 560022.

I hereby declare that the above written particulars are true to the best of my knowledge.

Regards,

Nagarjun N M