# Nikhil Gupta

**Technical Lead**

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# Profile

Highly self-motivated **Technical Lead** having **10 years** of work experience with **Data Structures & Algorithms, Multithreading, Design patterns, Java, Servlets, Jsp, Collections, MVC, WCF, Angular JS, Web Api, Functional Programming, Web Services, Azure, AWS, Concurrent API, Ado.Net, Asp.Net, NoSql, Messaging Queue, Elastic Search, MSMQ, Service Bus, Caching, Reactive Programming, Distributed Systems, Open Jdk, Big Data, Spark, Python, Pyspark, Hive, GraphQL,Neo4j,Netflix Conductor, Kong Api, Event Driven Architecture**. Possess strong technical, interpersonal and organizational skills to carry a project from initiation to closure phase and provide production support.

**Banking, Financial Services,Analysis and Logistics** domain experience, covering –

# Banks Treasury, Wealth Management & Overseas Financial Services applications.

* **Retail & Corporate Banking** – customers and internal staff facing online banking applications and **Finacle**.
* **Analsyis** – customers and internal staff facing applications.
* **Gaming** – Industrial Branch Closed Business internal staff facing applications.
* **Logistics** – Customer and Internal facing applications.

Extensively involved in **discoveries**, **analyzing, planning, designing, coding, build & deployment, testing, production implementation and support** phases of projects, working closely with stakeholders and managing their expectations. Involved in different poc and creation of framework at organization level using latest technologies. Providing training Session at organization Level.

# Technical Skills Set

**Development Cycle** Architecture, Analysis, Plan, Design, Code, Test and Maintenance.

**Project Management** Waterfall and Agile.

**Languages/Technologies Java 11, Java 9, Java 8**, **Java NIO**, Java EE, Python, C#, HTML,

CSS, JavaScript, jQuery, Ajax, Angular, XML, Unix, .Net, Open Jdk, Distributed System, Node Js, React Js.

**Java/J2EE Technologies** Core Java, JSP, Servlets, EJB, JNDI, RMI, JMS, JDBC, JMX, Web

Services (WEB API, REST, GRPC and SOAP), JAX-RPC, **Reactive Programming**, **Microservices.**

# MQ Technologies Kafka, Active MQ, Rabbit MQ, Amazon SQS.

**DBMS Oracle 11g**, PostgreSQL, My SQL and MS-Access

**, MongoDB**, **Cassandra**, DynamoDB, IBM DB2, **Elastic Search**.

**IDE** Eclipse, NetBeans, IntelliJ, Visual Studio.

**Frameworks Spring Boot**, Spring4.X(Core, IOC, AOP, MVC/REST, DATA, Security, Batch, GRPC), Netflix, GraphQL.

**Web Servers** Apache Tomcat.

# Cloud & Big Data AWS, Azure, GCP, Big Data, Spark, Scala

**Design Tools** Visio

**Build Tools** Ant, Gradle and Maven.

**Monitoring & logging tool:** ELK**,** Splunk, Kibana, Elastic Search, Log4j/SLF4j, Jmeter, Lucene

**Unit Testing Tools** Junit , Xunit and Integration.

**Tooling** CVS, Subversion, TFS, Git and Bitbucket,Quality Centre.

**Operating System** Windows and Linux.

**Other Tools Known Docker, Kubernetess**, Quality Plugins,

Agile Central, Putty, WinSCP, Citrix, Service Center, Service Anywhere, GitLab, Jenkins, Nexus, Sonar.

# Academic Credentials

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| --- | --- | --- | --- |
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| **B. Tech** | Anand Engineering College, UPTU, Agra | 68.04% | Jul-2011 |
| **Intermediate** | St. Peter’s College, ISC, Agra | 68% | Jun-2006 |
| **SSC** | St. Peter’s College, ICSE, Agra. | 70% | Jun-2004 |

**Certifications**

* **Sun Certified Java Programmer**

Oracle/Sun Microsystems

# AWS Solution Architect (Associate)

**Employment History**

**Publicis Sapient, Tech Lead Aug 2017- Present QA Infotech Pvt. Ltd, Senior Software Engineer Aug 2014- Aug 2017 Junglee Games, Software Developer Jul 2011 - Aug 2014**

**Key Projects Worked On**

**PROJECT 1: Event Driven Architecture for Autogenerating Code POC**

**Duration:** June 2021 – Present

# Technology Stack: Java, Spring (Spring Boot, Spring Security) , Neo4j, Rest services, Kafka, Micro services, GIT, Jenkins, JIRA, Splunk, Helm Chart, Kubernetes, Docker, Auth 0,GraphQL, Api Gateway,AWS

**Role:** Tech Lead

# Responsibilities and Contribution:

* + Understanding project requirements and creating design to generate the code just by passing the json.
  + Complete development on server side from scratch to deployment .
  + Developed different microservices and implemented different security checks.
  + Knowledge sharing with the team about technical and business aspects of the tasks.
  + Involved in Technical discussion with Senior Leadership.
  + Providing common solutions at project level and adherence to coding standards and follow best practices
  + Designed the system on Java and AWS.

**PROJECT 2: Kong Api Gateway with GraphQl POC, Netflix Conductor POC**

**Duration:** August 2021 – Present

# Technology Stack: Java, Spring (Spring Boot, Spring Security) , Neo4j, Rest services, Micro services, GIT, Jenkins, JIRA, Splunk, Apollo Server, Apollo federation, Kubernetes, Docker, Auth 0,GraphQL, Kong Api Gateway, Netflix Conductor,AWS.

**Role:** Tech Lead

# Responsibilities and Contribution:

* + Understanding project requirements and creating design to integration GraphQl with kong Api gateway and Auth 0, Netflix Conductor.
  + Complete development on server side from scratch to deployment.
  + Developed different microservices and implemented different security checks.
  + Knowledge sharing with the team about technical and business aspects of the tasks.
  + Involved in Technical discussion with Senior Leadership.
  + Providing common solutions at project level and adherence to coding standards and follow best practices.
  + Designed the template for Kong Api clusters on AWS

**PROJECT 3:Retail Banking and Payments Fraud (**Lloyds Bank)

**Duration:** April 2021 – Present

# Technology Stack: Java, Spring (Spring Boot, Spring Security) ,Hibernate, MySQL, Rest services, Kafka, GCP, Micro services, Hazelcast, GIT, Jenkins, JIRA, Splunk.

**Role:** Tech Lead

# Responsibilities and Contribution:

* + Understanding project requirements and creating design for the payments of domestic vendors.
  + Complete development on server side from scratch to deployment on GCP.
  + Developed different microservices and implemented differnt security checks as per GDPR.
  + Knowledge sharing with the team about technical and business aspects of the tasks.
  + Involved in Technical discussion with Senior Management and Client
  + Providing common solutions at project level and adherence to coding standards and follow best practices

# PROJECT 4: Capital Group Duration: (June 2019-Present)

**Technology Stack**: **Java, SpringBoot, MVC, SQL, Rest API, Big Data, Python, Pyspark, Hive, Azure,Service Bus,Kafka**, **Salesforce**.

**Role:** Tech Lead

This project is all about fetching the data from different source system like salesforce into the PCS central so that Data from different sources can be used for data warehousing and reports can be generated accordingly.

# Responsibilities:-

* Developed and implemented the ingestion framework as per business requirements of the products.
* Involvement in the designing of the architecture of the product and Data Modelling , Data warehousing. Also developed different microservice and optimizing them .
* Made the system robust so that this isn’t crashed when things change from salesforce side.
* Created and made the changes in the pipeline so that code can be deployed on prod.
* Optimization of Database, SQL Queries for the better performance and reduce the response time of the server by analysing the code and the performing the different operations on the server.
* Implemented different Security layers in the Products.
* Managed Team of 10 people across different tracks and Ramped up them over the different technical aspects.
* Designed the system on Java, Python and Azure.

# PROJECT 5: Royal Bank Of ScotLand

**Technology Stack : Java 8,Multithreading, Design Patterns, Springboot, Rest API, Microservices, MySQL,H2, PCF, Splunk, Ant, Jenkins.**

**Responsibilities**:-

* + Development from scratch and involved in Requirement Analysis, Design & Coding.
  + Implemented different business rules as per different trades.
  + Handling the data from upstreams system , posting different trades and sending to downstream system.
  + Performed R&D and POCs required for projects.
  + Design application with design principles & patterns.
  + Involved in Technical discussion with Senior Management and Client.
  + Designed the system on Java and Private cloud.

# PROJECT 6: Moodys Investor Service

**Technology Stack : Java 8, Design Patterns, Multithreading, Rest API, AWS( Dynamo DB, Step function, S3, EC2, Lambda), Mulesoft, NodeJs, Springboot, Microservices, Batch processing. Responsibilities**:-

**This project was about the ratings given by Moody’s to different products, which requires the investment, and generate the reports.**

* Designed the system on Java and AWS.
* Designed an architecture of the system from scratch after all R&D.
* Involved in multiple demo for the backend and helped on-shore and off shore team who were part of this project from technology side.
* Involved in Code Review, R&D and POCs required for projects.

# PROJECT 5: Goldman Sachs Private Wealth Management/Trading

**Technology Stack :Java 8, Multithreading, Design patterns,Springboot, Rest API, Spring cloud, Kafka, Distributed Systems, Unix, Gradle, Jenkins.**

**Responsibilities**:

* Involved in complete SDLC of projects and performed R&D and POCs required for projects.
* Technical mentoring and Code Review of the team making sure the implementation is adhering to design.
* Leading Design and Architecture of application and guiding team on the same.
* Designed the system on Java and Private Cloud.

# PROJECT 6: Gaming

**Technology Stack** : Java, Spring, , Multithreading, Design Pattern,Hibernate, MySQL, MongoDB,

# WCF, C#, Junit, Xunit.

Junglee Games is a leading game development start-up company that provides highly entertaining gaming platforms to the community of online players. It offers a variety of popular games like Rummy, Texas Holder Poker, fantasy cricket, mobile games and social games.

# Job description:

* Proficient experience in complete SDLC, including analysis, designing, coding, testing and implementing Data Structures and Algorithms.
* Developed and implemented reports as per Business Requirement and Marketing in MVC Framework.
* Developed Stored Procedures in SQL Server 2012.
* Implemented functionality in Game in MVC Framework.
* Integrated different gateways into our website by which users can make the payments in MVC Framework.
* Resolving scaling issues in areas like client-server connection time, thread synchronization, caching and database optimizations for better user experience and popular variants like large tournaments.
* Developed different product in MVC using different technologies (C#, Java).
* Developed tools to automate the redundant work.
* Enabled the communication of website and server using **WCF Service.**
* Worked closely with marketing team adding features for better customer engagement like Announcements on Tables.
* Optimization of Database, SQL Queries for the better performance.
* Developed Fantasy Cricket with the use of No Sql and Mongo DB.
* Use of Elastic serach on the large volumes of data.