NAGESH KUMAR

E-mail: neel4soft@gmail.com
Contact no: +91-9560582501
Blog: https://www.codeburps.com/
GIT: https://github.com/nkchauhan003

11.3+ Years (Java 17, Spring Boot, Microservices, Elasticsearch, Kafka etc)

Optum (July 2020 - Present) - Software Engineering Lead

> ❖ Server side development - Worked on **Data Pipeline** using **Java-17, Spring BOOT, Postgres, Kafka, Elasticsearch** etc.

Sapient (August 2019 - July 2020) - Senior Associate - L2

> ❖ Worked on **Workflow** using **Java-8**, Spring MVC, JDBC, Security, **Spring BOOT**, **MySql** etc.

Times Internet Limited (Apr 2013 - August 2019) - Manager - Technology

> ❖ Server side development - Worked on **Colombia (Ad Server)** using **Java-8**, Spring MVC, JDBC, Security, **Spring BOOT**, **MySql**, **Cassandra** and Apache **Kafka** etc.

Oodles Technologies Private Limited (Sep 2012 - Apr 2013) - Associate Consultant

> ❖ Software development - Worked on **Tp Synergy** and **Telemedicines** using **JAVA**, **Spring MVC** etc.

Cartel Infosystems (Aug 2011 - Sep 2012) - Java Developer

> ❖ Java development - Worked on **HrPortal** using **JAVA**, **Struts 2**, **MySql** and **PHP**.

TECHNICAL SKILLS

- **Programming Language:** Java 17, Scala 2.7
- **Frameworks:** Spring Boot, Hibernate, Play etc.
- **Development Tools:** Eclipse, IntelliJ, Git, SVN, Maven, Docker, K8S
- **Microservices:** AWS, Spring Boot, Docker, Kubernetes, ELK
- **OS Environment:** Ubuntu, Mac
- **Big Data:** Kafka, Elasticsearch, Cassandra
- **Cloud:** AWS (Ec2, RDS, S3)

PROJECT DETAILS

Project 1: MyUhc
Domain: Health Insurance

Description: More people turn to UnitedHealthcare than any other company when it's time to choose their Medicare coverage. UHC partners with more than 1.3 million physicians and care professionals, and 6,500 hospitals and other care facilities nationwide . Together with health care professionals, we are helping people access the right care at the right time.

Positions of Responsibilities:
- Working on development & architecture of a data pipeline that transforms and ingest data into elasticsearch through kafka.
- My day to day work includes incorporating new business requirements related to enrollment and PCP selection.
- Have worked on backend service changes in an excellent microservices architecture, including REST APIs, design, development and debugging.

- I am also involved in design discussions and decisions for new initiatives and also responsible to deliver modules end to end.

Project 2: Colombia
Domain: Ad Tech

Description: Colombia is a highly scalable **Advertising platform** like **Google Adsense,** facilitating automated and targeted ad serving to more than **1.3 Million Users.** Colombia is backed with strong **Item Recommendation Engine** and **AdServer** algorithms along with third party integration support and self service platform. Colombia is capable of managing more than **20,000 hits per second**, backed with a strong net of application servers and technologies like **Apache Kafka**, Spark, **Cassandra** and Redis etc.

Positions of Responsibilities:
- Managed Full Reporting module for both advertisers and publishers using different aggregations with **JAVA 8 Streams and Lambda**.
- Managing, monitoring scalable/high-available multi-node **Kafka cluster**, Experience in troubleshooting production issues, & tuning for optimal read/write performance.
- Experience in developing **kafka clients**(producer/consumer) in java in a performance centric way. ● **Cassandra** Architecture and Administration activities which involved Data Modeling, Configuration, Administration, Monitoring, Security Management, Performance Tuning, Replication, Backup/Restore and Troubleshooting of issues.
- Understanding of **Cassandra Architecture** (including SSTables, MemTables and Commitlog) and management tools like OpsCenter, NodeTool.
- Design and Development of different modules of AdServer Engine to facilitate real time ad serving, including **Cookie Framework**, Frequency Capping (Putting **1.3 million users** data on redis in ByteBuffer to save space), **Kafka Logging**, **Real time bidding** etc.

Project 3: Workflow
Domain: E Commerce

Description: Workflow is an internal E Commerce project to automate inter organization access control, resource allocation and boarding and deboarding for employees. Workflow's backend is developed in Spring REST, Java 8, MySql while the frontend consists of AngularJS.

Positions of Responsibilities:
- The application is a huge monolithic mess developed in outdated technologies such as JSF, Ant etc. My goal is to first upgrade it to the latest version of Java and Maven.
- Upgrade version control from SVN to GIT, remove unnecessary code and convert a part of it written in .net to Spring or other Java based MVC.
- The ultimate goal is to break the application in logical microservices so that development and deployment cycles can be improved.
- Along with this transition long term task, I am also responsible for maintaining and developing new features in existing projects as the business requirements arise.

Project 4: TpSynergy
Domain: HealthCare

Description: An ERP system that manages the Order and Shipment Details for the user and manages all the transactions and records of Shipments through an online portal. Generates appropriate reports and stores data for Shipments and Orders for a wide variety of business transactions.

Positions of Responsibilities:
- Handling Order and Shipment Module Development using **Spring MVC** Framework and **Grails**. ● Handling design and implementation of Generate Reports Module using Jasper.

Project 5: Telemedicines

Domain: HealthCare

Description: A helping application for patients to be in touch with their doctors so that their treatment and health status can be maintained on a daily basis. The application provides an Android based mobile application to do so. 1 - Doctor and patient profile management with contact messages and mail delivery. 2 - Persists all patient messages and notifications to a separate server using s3 bucket. 3 - Take patient blood pressure and heart beat entries directly to the device and send that to the server.

Positions of Responsibilities:

- Developing doctor and patient profile management module.
- Deploy the application on an ec2 machine on a weekly basis.
- Save messages and notifications from clients directly to ec2 bucket.
- Interacting with clients on skype on a daily basis.

Project 6: HR Portal

Domain: HR

Description: Managing the employee information of our clients through an online Portal. This portal basically manages the personal, professional and salary details of employees throughout the company by the HR. **Positions of Responsibilities:**

- Handled new employee entry, Add-Delete-Edit employee module. Design and maintain a database to save employee data.
- Handle salary and generate pay slip modules.
- Handled employee category and subcategory module.

QUALIFICATION

- B.Tech (IT**)** from IIMT Engineering College, Meerut with 68%.
- Intermediate from SVM Kashipur (UK), with 71.4%.
- High school from SVM Kashipur (UK), with 72.3%.

PERSONAL PROFILE

Father's Name : C.P. Singh Chauhan
Gender : Male
Address : A-46, Sector-35, Noida - 201301

DECLARATION

I hereby declare that the above information is true and correct to the best of my knowledge and nothing has been concealed or distorted.