

Ajit Rai Sr. Software Developer

📍 New Delhi, India

✉ ajit16.ra@gmail.com

☎ +91-7827477908

in ajit-rai-b1783b114



An IT professional with 5+ years of experience in Distributed Event Driven Content sharing Platform, Edtech and Finance Domain having proficiency in Spring Boot, Microservices, RESTful API, Apache Kafka, and AWS.

Professional Experience

09/2021 – present
Noida, India

Senior Software Developer, MagicEdtech 

ProjectName: **ContentAPI**

Responsibilities:

- Designed and implemented Microservices architecture using Spring Boot framework, facilitating seamless communication between services.
- Utilized Java 8 features such as lambda expressions and streams to enhance code readability and performance.
- Implemented batch processing solutions for handling large volumes of data, optimizing processing time by 40%.
- Integrated Apache Kafka for asynchronous communication between Microservices, ensuring fault-tolerant and scalable message processing.
- Developed and maintained RESTful APIs for inter-service communication and external integrations.
- Leveraged AWS services including EC2, S3, Lambda, and RDS for building and deploying cloud-native applications.
- Conducted code reviews, mentored junior developers, and enforced best practices to maintain code quality and consistency.
- Collaborated with cross-functional teams to gather requirements, design solutions, and resolve technical challenges.
- Achieved a significant improvement in the performance of approximately 35% of our endpoints by expertly optimizing our Mongo aggregate queries.
- Had successfully implemented several strategic measures to optimize and downsize the database cluster, resulting in a more efficient and cost-effective infrastructure.
- Developed endpoints to fetch data from secondary nodes of database hence reducing load on Primary node.

Achievements:

- Able to scale down Database cluster without impacting the performance leading to save of approx. \$63000/year.

03/2021 – 08/2021
Delhi, India

Software Developer working for client TCS, Mbit Computraining Pvt. Ltd

Project Name: **SmartOTU**

Responsibilities:

- Development of new Interface modules for SmartOTU.
- Integrating frontend with server side API's.
- Writing unit test cases for the newly developed features.
- Identifying gaps in current control and suggest ways to improve the existing process.
- Coordinating with QA and Performance engineering team.
- Done code-review and done configuration related changes in application.

11/2019 – 01/2021
New Delhi, India

Java Developer working for client National Data Center(EPFO),

Collabera ☑

Project Name: **Field Office Enterprise Application**

Responsibilities:

- Utilized Spring Boot framework to design and develop a robust and scalable portal for managing all financial operations of the Employee's Provident Fund Organization.
- Leveraged Struts framework for frontend development, ensuring a responsive and user-friendly interface.
- Integrated MySQL database for efficient data storage and retrieval, optimizing database queries for performance.
- Implemented Jasper Reports for generating dynamic and visually appealing reports, including PDF creation for various financial documents.
- Collaborated closely with stakeholders from the Finance Ministry and Ministry of Labor and Employment, ensuring alignment with government requirements and regulations.
- Actively involved in the design and development of new modules to enhance the portal's functionality, addressing the specific needs of different departments.
- Implemented code fixes and enhancements based on feedback and requirements, ensuring smooth operation and reliability of the portal.
- Developed specialized modules for the Pension and Claims Department, streamlining processes and improving efficiency.
- Designed and implemented a transaction management module specifically tailored for handling transactions during the COVID-19 pandemic, ensuring continuity of operations while adhering to regulatory guidelines.

Project Name: **EPFO Audit Application**

- Developed a module for the generation of reports for Concurrent Transactions and Post Audit Transactions.
- Developed modules for the generation of monthly reports off bank reconciliation statements of pension.

09/2018 – 10/2019
Noida, India

Java Developer, Unmask Virtualite Pvt. Ltd ☑

Project: **E-Commerce Portal**

Responsibilities:

- Development of Admin Panel modules.
- Developed modules for sending OTP using SES service of AWS.
- Integration of service with Razor Pay Payment Gateway.
- Built, tested and deployed scalable, highly available web based products.
- Designed web-based assets for deployment on Amazon Web Services (AWS).
- Maintenance of Cloud Infra and monitoring the CloudWatch logs for any error or exception.
- Crating deployment Pipelines in Jenkins.

Education

2015 – 2018	B Tech (ECE), <i>Maharishi Markandeshwar University</i>
2012 – 2015	Diploma in Electronics and Telecommunication, <i>The New Horizons Institute of Technology</i>
2012	Senior Secondary, <i>G.T.B.P.S</i>
2009	Matriculation, <i>P.V.M</i>

Skills

Language & Frameworks

Java, Spring Boot, Apache Struts, Restful API, Microservices

AWS

EC2, S3, RDS, SES, SNS, ROUTE53, AWS ECS, Elastic Load Balancer, IAM

Databases

MongoDB, MySQL

Distributed Messaging System

Apache Kafka.

Tools

Swagger, JSON Docs, Jasper Report, Git, Agile, JIRA, Confluence.

Web Servers

Apache Tomcat 8, Jboss

ORM Tools

Hibernate

Certificates

CutShort Certified Java Developer 

Credential Id-38747

Publications

22/08/2015

Network Optimization Using Femtocell Deployment at Macrocell Edge in Cognitive Environment, *Springer Publication* 