Arka Bandyopadhyay

SDE 2 @Zee5 | Backend Developer | Microservices | Java | Cassandra | OSS Contributor | HLD | LLD | J2SE 7 OCJP Certified

A results-driven Software Engineer with more than 6 years of expertise in crafting scalable enterprise applications. Proficient in a wide range of technologies, including J2EE, Spring, Solr, Redis, Kafka,Microservices, React Js, Google Cloud Platform (GCP), and Amazon Web Services (AWS)

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leetcode.com/arkabandyopadhyay/

WORK EXPERIENCE

SDE 2
Zee Entertaintment Enterprise Limited

06/2022 - Present   *Bangalore, India*
A Global Content Company with a strong presence across broadcasting, digital, movies, music and live entertainment. (Zee5 OTT)

Achievements/Tasks

- Migration of content search application from nodejs to spring microservice with aws elasticcahe redis query caching and java concurrency enablement powered by sensara which *reduced the search API SLA to 250 ms* while reducing the no of active pods from 50 to 15 in prod resulting in huge cost optimization.

- Engineered (HLD/LLD) Solr based GEN AI search for 80% (from 40%) discoverbility of zee5 content based on static and dynamic prompt , powered by Azure Open AI Chatgpt.

- Newrelic Integration for monitoring and alert mechanism with microservice.

- Developement of view count service which aggregrate user views and store counts and serves back the counts per assets within *30ms API SLA* using kafka streaming , redis pipeline , eks , which leads to ranking and recommendation of most viewed content to user resulting in 50% increased ctr on zee5 ott application.

- Content Upnext recommendation which includes tech stack spring boot, cassandra , redis , jdc , with the use of custom Bloomfilter @ application level to reduce database and redis miss hits to *reduce 10k hits per day.*

Contact : Shivanand - 8877662432

SDE 3
Vedantu Innovations Pvt Ltd

                                                           Bangalore , India
03/2022 - 05/2022

Vedantu is India's leading Online tutoring company which enables students to learn LIVE with some of India's best curated teachers.

Achievements/Tasks

- Wohhoo API integration for amazon voucher for user referrals system , which leads to increase in user base to 40% , developed using mongo dB for persistence and spring boot framework for microservice development.

- TDD based JUNIT 5 development of rule engine in CRM framework to process leads from salesforce and other linked crms .

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency

Bangla
Full Professional Proficiency

SKILLS

Tools and Programming Languages:
Java, Spring, React 16, Javascript, Sql, NoSql. EC2 Instance, CloudFront load balancer, Route 53, S3, RDS. **:** *Google Datastore, MongoDB, MySql,PostgresSql,Git.*

Software Developer 2
Mihup Communications Pvt Ltd
02/2021 - 02/2022   *Kolkata, India*

Mihup's real-time analytics-based AI platform, that empower kpos and bpos customer experience with advanced conversational AI tools

- Development and Integration of Gen 2 VIA (Virtual Interaction Analyst) microservice using AI based ML APIs and to provide scalable platform using RabbitMQ to facilitate audio processing which leads to reduction of audio processing time of 1 lakh audios to 5 mins causing 25% growth in net revenue.

- Worked on end to end flow for creation of pipeline using RabbitMQ, S3,SNS,SQS AWS Services to process audio and extract transcript, sentiment, emotion and prepare report out of the data with help of spring batch processor.

- Used multitenant RDS and Query optimization to process audios for different org level for specific clients.

Associate Software Developer
Nomura Research Institute Financial Technologies India Pvt. Ltd

11/2019 - 02/2021   *Kolkata, India*

- Using Active MQ as a MOM tool for instruction settlement in a distributed message driven architecture, Tomcat, Confluence for documentation, Java 8, REST API integration Created various automation tools to manage day to day build release activities.
- Created POC & evaluated multi module maven project for different stock houses.
- Worked on Documentation of Requirements in Confluence and Project management with JIRA for day-to-day activity.

Software Engineer
Cerner Healthcare India Pvt. Ltd.

10/2018 - 05/2019   *Kolkata, India*

- Worked with Interoperability product (Open link) which transforms xml to Json formatted healthcare medical codes, in formatted, unformatted view using technologies like react js , redux , sass for visualizing the tree structure with tooltip based description .
- Had the chance to work in TDD and later BDD with jest and enzyme with at least 80% code branch coverage.
- Streamlined Spring boot Apis using Redis cache for fast and scalable responses using TDD Methodologies and have been responsible for Ui integration with react and redux in frontend.
- Derived Project Management tool using Jira, git Apis in visualized format for managers to view progress of their work in a team using chartis js.

Software Associate
Infiflex Technologies Pvt. Ltd.

11/2016 - 03/2018   *Kolkata, India*

- Building a smart UI using react, jointjs a javascript framework to visualize workflow engines that could complete several activities ranging from creation of rules to scheduling a task through underneath the rule engine.
- Defined best practices in terms of clean code infrastructure for extendible workflow engine
- Integrated Stripes for payment gateway in Manuela (www.manuelaexport.com) an online jewelry store and used sendgrid for bulk mailing for marketing purposes in the website , deployed in GAE.
- Converted Giffy to work with NoSQL DB Google Datastore and MySQL at the same time based on Centralized configuration, by which we are essentially can create transaction and non-transactional application from same app framework i.e. GIFFY.

Java Developer

Odex Software

07/2015 - 10/2016   *Kolkata, India*

- Contributed to development of ip awareness "an event organizing platform" , which includes communicating with client for requirement gathering and implementing features in J2EE platform .
- Worked with ERP e-billing software , for automated invoicing using Java SE7 and Java FX.

CERTIFICATES

J2SE 7 OCJP Certified (08/2014 - 08/2015)
Oracle Java Standard Edition 7 Certified Developer

EDUCATION

Calcutta Institute of Technology — *B.Tech in CSE 2015*

2011 - 2015

Graduated with 8.35 SGPA from "maulana abul kalam azad university of technology" University.

Kendriya Vidyalaya , Barrackpore— *Higher Secondary in PCM*

2010 - 2011

Completed AISSCE with 75.6 % .

I hereby declare that the above statements are true and complete to the best of my knowledge and belief.

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