

ABHIMANYU SINGH

+91-9873642749
abhimanyumnit09@gmail.com

EMPLOYMENTS

Principal Engineer

Oracle Cloud Infra

August 2024 – Present

- Developed the customer first offering club service Under Non Disclosure Agreement. It involves Peta Bytes of Data handling and very high throughput system, Tech stack involves service of OCI, Java17 and Go.
- The Platform for Gateways include Security and compliance along with Anomaly detection, Sampling on 8million qps.

Engineering Lead

Salesforce

November 2021 – June 2024

- Working on the development of Product Vertical Integration System which is used by different Sales industries cloud customers to make, publish and deploy the assets in MuleSoft runtime and Exchange instance.
- Worked on development of asset publish, deploy and Upgrade REST API's by using Spring Boot Java framework in the backend which was part of development of Core Service, Entity(Sayonara DB) service.
- Worked with the team reduce the latency by 40% of Asset deployment service by making it asynchronous using Message Queue which reduced the time and an increase in consistency. Optimised average per request time for Asset Upgrade service by 25% by leveraging Redis cache.
- Worked on the Authorisation service to migrate from client ID-Secret based Auth to OAuth 2.0 approach which include token allocation based on RBAC.
- Worked on Lightning Web Components (LWC) as the UI components for asset management. Which includes foundational work in JavaScript/TypeScript, ReactJS, and NodeJS. Application construction and maintenance include reducers and dispatchers for flux.
- Deployed of cloud service AWS[Falcon] and Heroku cloud using Amazon ECS and Amazon EKS, with integrated logging using Logstash, Elasticsearch. Additionally, deployment on different stream orgs to facilitate scalability and resource allocation.

Software Development Engineer 2

Microsoft Corporation

December 2018 – August 2021

- Skills and experience include working with RESTful web services, fault-tolerant services, and monitoring services in production regions, coupled with my proficiency in languages such as Java, Python, and C#, enabled me to handle requests at scale.
- Worked in Groups as platform team as part of O365 , Developed micro services for AAD(Azure Active Directory) Client Fanout service for Groups platform whenever a user joins or is added to an O365 Group or edit group properties, the call gets logged in cosmos DB and delta pushed to subscribed clients like SharePoint, Teams, Outlook etc . This decreased millions of unnecessary calls to AAD and reduce the engagement towards various workloads which are based on O365 Groups.
- Developed an innovative and interactive unified group CRUD form in React JS, strategically deployed across diverse workloads (Outlook, SharePoint, Yammer, etc.) utilising O365 Groups as the identity provider. The primary objective was to ensure a consistent user experience across all workloads, featuring comprehensive CRUD functionalities such as adding members to groups, promoting/demoting group members, and creating, editing, and deleting groups.
- The Groups Form functionality was developed with Redux State management and TypeScript, ReactJS, NodeJS for the different web components.

Member of Technical Staff

Adobe Systems

March 2016 – December 2018

- Development and Enhancement of Framework to Support JFeat Plugiuin which is Platform developed on cloud for regressions.
- Developed TAG System which supports end to end framework for Acrobat and Reader JFeat Plugin in an environment with different verticals as Architecture(x64-x32), OS(Mac/Win), OSConfiguration(Win10, OSX10.12).
- This is a Large scale project which process 1 Million tasks having availability 24x7 basis. I was main owner of the project.
- Implementation and feature enhancement of JFeat Plugin which includes work on JNI framework for Inter Process Communication with Acrobat and Reader App Code. JFeat Plugin Feature Enhancement and TAG Analytics Data
- Implemented the final data model which helps in to check load on TAG in real time scenario.
- Enhancement with featured like dynamic code fetch and Multi-configuration functionality of TAG System.
- Provide additional functionality in JFeat plugin of Acrobat and Reader App and resolve many bugs.

- Worked as Software Developer in Advance Solution Department of Android Smart Phones, which works on developing various communications modules (eg. calls/internet/sms) between Mobile and Network operators.
- Developed and optimise modules to handle Dual Stack Dual Standby mode(DSDS) in NAS module of Shannon Chipset.
- Analysed logs and provide solutions for various blocker bugs reported from different Regions.
- Successfully completed Project on "Coach Maintenance System" which is a live web application for the Electrical Department and the

Student Engineering Intern**North Western Railways HQ, Jaipur****May 2012 – July 2012**

workshop staff of NWR Headquarter that will enable both user and administrator in increasing efficiency and effectiveness for maintaining the records of overhauling process in Coaches.

SKILLSET

- Languages: Java, Python, GO, JavaScript, C, C++, C#, Shell Script, Powershell PHP, HTML, CSS
- Database: MySQL, PostgreSQL, MongoDB, Kafka, Elastic Search, Cassandra
- Frameworks: SpringBoot, Express - Node.js, ReactJS, .NET Core, Python Django
- Microservices, Docker, AWS, Azure Cloud Services, Apache Kafka, Data Structures, Algorithms, Distributed Systems, Web components, Computer Networking, OS monitoring tools such as Jenkins, Splunk, Grafana.

EDUCATION

Degree	Year	Institution	CGPA/Percentage
B.Tech. - CSE	2013	NIT, Jaipur	7.2
XII (CBSE)	2008	JMPS, Agra	71.2%
X (CBSE)	2006	Kendriya Vidyalaya, Ajmer	87.4%

ACADEMIC PROJECTS

- Infrastructure Services for Android
- The objective of the project is providing support for multiple Android client and Security for the clients, with basic Services for the Android based clients.
- Ping Pong Game Application
- The application was developed using JAVA, for single and Double Player. Tools used-Netbeans and
- Applets. Plant Management System
- This web portal was developed using PHP as the sever side scripting language and MYSQL as the backend database to manage and govern the complete food Plant management System and generated the ECO parameter of Area.

PATENTS

- Successfully files patent application on “Methods for user interaction on MAP Utility on Wireless Communicating Device interface”.

ACHIEVEMENTS AND EXTRA CURRICULAR ACTIVITIES

- Qualified AIEEE with an AIR 4528.
- Secured All India Rank 194 in Student Talent Promotion Examination conducted by Children Welfare Trust Of India.
- Executive of Literary Arts Society under the Creative Arts Society of college, organising various socio cultural and technical events at National Level in the college.
- Solving Logical Puzzle, Sudoku and playing cricket