Uday Singh

Application Development Team Lead

Thorough hands-on experience in all levels of software development life cycle including requirement analysis, design, development, testing, debugging and implementation. Willing to take up ownership of modules in the team.

✉ udaysingh236@gmail.com
📱 +91 7898725075
📍 Pune, India
🪪 https://udaysingh236.github.io/
in in/uday-singh-55438343/
⌨ github.com/udaysingh236
🖥 https://www.weeklytechy.com/

♟ Skills

- Cloud: Amazon Web Services (AWS), Oracle Cloud.
- Programming languages: Javascript, GoLang, C, Assembler.
- Technology: Node.js
- Framework: express, body-parser, cookie-parser, jwt, oracledb, ejs, nodemailer, bunyan, Axios, mongoose, http
- Web: HTML/5, CSS/3
- Development Tools: VS code, Sublime Text.
- Deployment : Gitlab CI/CD, Kubernetes, Docker, ECS.
- Source Code Management : Git, Rational TC (IBM), SCLM.
- Messaging and Queues : Apache Kafka, IBM MQ.
- Monitoring : Cloudwatch, ELK
- Databases : Oracle. Mongo, Couchbase, Redis, IMS, DB2.
- OS: Amazon Linux, Centos.
- Other basics: Hadoop, Hive, Spark, Scala

💼 Work Experience

Aug 2019 to Current

Application Development Team Lead

Accenture, Mumbai, Maharashtra

Key Projects and Roles:

1. **Developed an Employee web portal.**

   Developed backend APIs in Node.js of an employee's portal where employees can update their current positions, fill the timesheet, ask for a feedback, ask for a promotion. The Application was hosted on Oracle cloud, deployed using git CI/CD and Kubernetes.

   Roles and Responsibilities:
   - Developed and implemented a daily email digest, which can log the daily user activity data into DB and used the same data to create a cron job to send the summary of daily activity to end users based on their positions in the hierarchy.
   - Kubernetes cronJob was used to achieve this, also implemented all the DevOps pipelines associated with daily email digest.
   - Developed live notifications functionality where end user will be notified for all the events related to his/her profile.
   - NPM packages like Express, body-parser, cookie-parser, jwt, oracledb, ejs, nodemailer, bunyan, Axios etc were used.

Mar 2015 to Aug 2019

IT Analyst

Tata Consultancy Services Limited, Mumbai, Maharashtra

Key Projects and Roles:

1. **Rateshop Cloud Migration.**

   Successfully delivered a high revenue generating project for both client and TCS that involves source code migration (from Big Endian to Little Endian Linux Platform) and data migration(from IMS and DB2 to NoSQL Couchbase DB) for an entire car rental estimation application in Avis from IBM's Mainframes to AWS cloud platform.

   Roles and Responsibilities:
   - Worked on POC (Proof of Concept) for providing an optimized solution to migrate IMS databases and DB2 table on Couchbase. Due to the successful implementation of this concept, we could take up this project on large scale as Rateshop Cloud Migration.
   - Analysis, framework design, data modelling, indexing and building code architecture of the project.
   - Responsible for resolving issues faced due to endianness.
   - Led a team of 8 associates for various tasks involved in this project.
   - Module Owner - Data replication to Couchbase DB from Kafka messages using C APIs and N1QL.
   - Module Owner- Building a read-only web App using NPM, Node JS and Couchbase.
   - Developed IO layers Application queries.

2. **Multi Link Gateway Migration and Development.**

   Worked as a developer on a migration project which involved Code Conversion from C++ and Assembly Language running on z/OS of IBM Mainframes to Golang or Go running on AWS Cloud.

   Roles and Responsibilities:
   - Development of a TCP server using go routines.
   - Development and debugging of an EDIFACT parser in go lang.
   - Implement Redis as a caching solution.

3. **Migration of IMS databases on Mongo DB for Rateshop.**

   Worked on data replication from IMS to mongo NoSQL database using C APIs for mongo for performance enhancement and revenue optimization.

   Roles and Responsibilities:
   - Designing solutions with performance enhancement while remaining focused on client needs.
   - Module Owner – Fetching data from Mongo DB using C APIs.

4. **Wizard Modernization.**

   Worked as a developer on a modernization project which involved Code Conversion from Assembly Language running on z/OS of IBM Mainframes to C Language running on z/Linux Operating Systems.

   Roles and Responsibilities:
   - Development and debugging.
   - Resolved around 50 functional issues.
   - Led a team of four associates to conduct System Integration Testing for all the functional areas.
   - Worked on high priority production defects post-implementation.

🎓 Education

Aug 2010 - Jun 2014

Bachelor of Engineering: Electrical And Electronic Engineering

Shri Vaishnav Institute of Technology And Science, Indore, Madhya Pradesh

✹ Certifications

- Microsoft Azure AZ – 203 Certified.
- Microsoft Azure AZ – 900 Certified.
- NCFM - Financial Markets: A Beginners' Module.