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Projects

Loan Servicing Software (Feb 21 - Present)

Company   : ValueLabs
Domain   : Finance/Telecom
Technologies   : Java 8 , Spring Boot , Javascript , JQuery , MSSQL , Microservices .
Team size   : 6
Role   : Full Stack Developer

Description:
The application is the accounting system of record for some of the most sophisticated lenders in North America. The Bank maintains the loan related information in the application . Our team worked on leveraging the Application by integrating third-party dialers based on the client .

Responsibilities:

- Design and Development of microservice for each dialer using Spring Boot .
- Created Design Document with architecture diagrams to define the data flow .
- To Research on the requirements , analyze and provide estimates based on the requirements and develop POC.
- Implemented Design Patterns like Singleton , Factory etc., and applied best practices .
- Implemented Multi-Threading and Event Based Architecture to fit the needs of application .
- Implemented Web Sockets for real-time data communications .
- Developed User Interface using Html , JS and JQuery to display dialer interface in the main application .
- Implemented Data Structures like Queues and HashMaps.
- Worked on writing Junits using the jmockit framework.
- Conducted code reviews on all the repositories related to dialers .
- Implemented POC on Integrating ReactJS with Multi Page Applications .
- Trained and mentored 4 Java research and development students of batch 2022.
- Took several internal and external interviews to hire candidates that are skilled in Java and Spring Boot

EOD Monitoring Dashboard (June 20 - Dec 20)

Company   : ValueLabs
Technologies   : Java8 , Spring Boot ,React JS, MSSQL
Domain   : Finance
Team size   : 4
Role   : Full Stack Developer

Description:

EOD Monitoring Dashboard is a monitoring application which is built to monitor the health of loan servicing software related jobs. This tool provides features to generate reports of the jobs and to display the real-time status of all the jobs and provide success probability and expected finish times of the jobs in a dashboard .

Responsibilities:

- Design and Development of Cron Jobs Using Java, Spring Boot to schedule the jobs to run at different times of the day .
- Designed Complex algorithms to calculate the success probability and expected time of a job and to define the color code of a job .
- Worked on Multithreading and asynchronous programming in Java to perform calculations in quick time.
- Worked on design of the database tables .
- Developed a User Interface using React JS to display the health of jobs for all clients as a dashboard .
- Design and Development of REST API using Spring Boot to communicate job health related data to UI and display them in dashboard .

Customer Onboarding Tool (Mar 20 - June 20):

Title   : Config-Renewal
Company   : ValueLabs
Domain   :   Insurance
Technologies   : Java8 , Spring Boot ,React Js, MySQL , Jenkins
Team size   : 8
Role   : Full Stack Developer

Description:

Config-Renewal is Valuelabs internal project which is a fully configurable Question and Answer application that can be configured for different purposes like Renewals, Surveys , Payroll etc..

Responsibilities:

- Design and Development of admin module using Spring Boot and MySQL
- Developed REST APIs using Spring Boot .
- Developed User Interface to display questionnaire and configurations using React JS
- Created Jenkins jobs using Jenkins UI to deploy the Spring Boot application .
- Played a key role in the team and took responsibility for the deliverables of one of the two modules .

Outbound Dialer(June 19 - Feb 20) :

Title   : **OutBound Dialer**
Company   : ValueLabs
Domain   : Cloud Solutions
Technologies   : Java8 , Spring Boot, React JS, MySQL, AWS, Clojure
Team Size   : 10
Role   : Full Stack Developer

Description:

An outbound dialer is an application which automatically places outbound calls from sales agents to prospective customers. They are an example of Computer Telephony Integration (CTI), whereby a computer communicates with telephone systems.

Responsibilities:

- Development of web application using Java , Spring Boot and Clojure
- Worked on POCs for automating the builds inside Docker using Github webhooks .
- Worked on Integrating AWS Services like RDS , SQS , S3 with Spring Boot .
- Developed user interfaces using React JS .