Duties carried out: Mr. Kariyawasam Majuwana Gamage Don Adhitha Weerasiri Dias

Designations Held

Designation: Software Engineer

The employee performed at the role of Senior Software Engineer from 1st September 2020 until resignation.

Technology and Tools Used

Languages & Frameworks: Java, JavaScript, Python, Bash, ES6, NodeJS, Express, Golang, PHP 7, Symfony 4, Spring MVC and Spring Boot, Gremlin, SQL, Neo4J

Front-end & Web: React, Redux, JSX, HTML, SCSS, CSS, REST, AJAX

Relational Databases: MySQL, PostgreSQL, MS SQL, IBM DB2

NoSQL Databases: CouchDB, Mongo DB

Graph Databases: JanusGraph, Neo4J, Amazon Neptune DB

Cache Databases: Redis

Security: Active Directory, AWS Cognito, JWT, Introspection

Cloud & Deployments: Docker, AWS (ECS, ECR, Beanstalk, EC2, SNS, S3, Kinesis, etc..), Jenkins, Graylog, Supervisord, Terraform, Amazon Go, Concourse

Testing & Code Quality: JUnit, Mockito, Spring Test, Mocha, Chai, TDD, Nock, Istanbul, SonarQube, ESLint, SonarLint

Version Control: GitHub, Bitbucket

Development Tools: IntelliJ Idea, VS Code, Postman, cURL, Linux, Cron

VCS & Tools: Git, Bitbucket, Yarn, NPM, Babel, Webpack

Business Tools & Practices: JIRA, Confluence Wiki, Office 365, Slack, Agile SCRUM

Work task carried out under that designation / Project work

Merchandising Item Availability Rollout

Merchant Portal is an item management system which is used by various users of Sysco Corporation including field merchandising, business support, supplier support users. Purchase order management,

vendor cost maintenance, purchase data management, and inventory management are some of its functionalities. In addition, as part of the system, Kinesis consumers are used for data streaming from AS400 applications to the cloud front enabling merchandising users to access data through the set of merchandising applications.

The employee developed features for the application working on front-end, back-end, database, kinesis consumer related tasks, and performance improvements in both in the application and the database.

Technologies: Java, JavaScript, NodeJS, PostgreSQL, IBM DB2, MS SQL, Docker, Spring Boot, Gradle, AWS, CSS, HTML

Merchandising User Management

Merchandising User Management application enables administrators to manage user access to the merchant portal.

The employee implemented the first cut version of the application.

Technologies: Spring Boot, JavaScript, Java, NodeJS, PostgreSQL, CSS, HTML, ERD

Merchandising Authorization and Authentication

Security concerns related to merchant portal access is handled by integration of layers of security.

Majority work of the API implementation was carried out by the employee.

Technologies and Integrations: Microsoft Active Directory, Amazon Cognito, JWT, SSO, Introspection, Redis, PostgreSQL, Java, Spring Boot, Python, Liquibase, Spring Data JPA

Enterprise Menu

Enterprise Menu is a Graph-based menu management system for multi-location restaurants. This enables different branches of a restaurant chain to maintain a variation of a single master menu with categories, items, modifiers, and taxes. Work on this component included use of technologies in front-end, back-end, database, and deployment.

The employee implemented the most complex sections in the enterprise menu component including but not limited to items, modifier groups and modifier options and integrations to POS/OLO applications.

Technologies: JanusGraph, Neo4J, Amazon Neptune Graph DB, NodeJS, ExpressJS, ES6, React/Redux, HTML/CSS, Gulp, Webpack, Mocha/Chai, Java Spring MVC, Wiremock, REST, Jira, GIT, Microservices, SonarQube, Jenkins, GrayLog, AWS SNS, AWS S3

UA-REPORTS (Cloud Reports)

Universal Admin Reports is a modern reporting application to provide comprehensive reports for restaurants using CAKE POS devices. Users can view data of sales, payments, transactions, payroll, taxes and use advanced filtering options to analyze data. The specialty of the application originates from its ability to handle enormous amounts of data for user accessibility.

The employee engaged in feature developments in the application mainly in transaction reports.

Technologies: NodeJS, ExpressJS, ES6, React/Redux, HTML/CSS, Gulp, Webpack, Mocha/Chai, SonarQube, Jenkins, Graylog, Redis, REST, Docker, AWS ECS, AWS S3, Java Spring Web Flux, Wiremock, REST, Jira, GIT, Microservices, SonarQube, Jenkins, Agile

Sales Demo Data Pumping Tool (Cloud Reports)

The application consisted of a UI automation and a data pumping tool to mock an existing user and pump data as a different user by changing data that needs changing. This application was helpful for sales-representatives for demo purposes of the Cloud Reports components.

Technologies: JavaScript, NodeJS, Puppeteer, Java, CouchDB

Communicator API

Communicator API facilitates email, SMS and voice message sending functionalities and used by many other components in the organization. The component features advanced queuing and failure notification alert mechanisms, which also consists of a dashboard view for internal use and testing.

The employee introduced a lock mechanism to distribute the work load among a cluster of instances for sending email SMS and voice messages and various other improvements to the application like dockerizing the component and deploying to ECS.

Technologies: MySQL, Twilio integration, SendGrid integration, Slack integration, Bash shell scripting, Redis, Graylog, Symfony, PHP

CAKE Point of Sale (POS)

A multi-POS solution that targets individual location restaurants. Front-end feature addition to the existing POS application was carried out by the employee.

Feature implementations tasks were carried out by the employee.

Technologies: NodeJS, ExpressJS, React/Redux, HTML/CSS, CouchDB, Gulp, Webpack, Mocha/Chai, Graylog, CouchDB