Parvathy Kannankumarath Madom Krishnan

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EDUCATION

M.S., Software Engineering   **San Jose State University**, San Jose, CA   Aug 2019 - Expected Dec 2020
  Courses: Web UI Design, Database Design, Cloud Computing, Virtualization, Data Mining, Software Security
B.Tech., Computer Science   **University of Calicut**, India   Jul 2010 - May 2014

EXPERIENCE

Summary

- **5+ years of experience** as a software engineer in all phases of software development lifecycle
- Subject matter expert for solutions developed. Mentored and delegated tasks to new full-time and part time recruits
- Collaborated with fellow teammates, architects, QA, info dev, and PMs across time zones for developing solutions

LyveBee   **Jun 2020 – Present**
Engineering Intern   San Jose, CA

- LyveBee (https://www.lyvebee.com/) is a startup marketplace that connects users with instructors for online learning
- Designed and implemented a **video conferencing solution** using **Google Meet** in **Node.js,** after evaluating and doing proof of concept for several alternatives, where 100% of the application's online classes happen
- Researched and designed a scalable and configurable **search solution** using **App Search**, an **Elasticsearch** product that reduced search time by over 80%

Oracle   **Jun 2014 - Jun 2019**
Senior Applications Engineer   Trivandrum, India

- Developed a web application for enterprise sales catalog management using **HTML, CSS,** and **JavaScript** and implemented backend **REST API** in **Node.js** in compliance with TMForum API schemas providing an end to end CX
- Designed and developed a backend solution in **Node.js** to integrate data between **CRM, quoting and commerce** cloud applications enabling consumers to deploy, manage and publish product catalog repository to various applications
- Built utilities in **Java** and **Python** to automate processes and reduce manual efforts by over 90%
- Implemented solutions for real time **data synchronization** between **CRM** applications, to aid in sales of new contracts and renewal of expiring contracts, and track revenue
- Developed a solution in **Java** for **data migration** in bulk between **CRM** applications that automated 80% of tasks

SKILLS

Languages: Java, SQL
Back End Technologies: Node.js, Express.js, Siebel Tools, REST, SOAP, XML, JSON, Design Patterns
Front End Technologies: HTML5, CSS3, JavaScript, Familiar with React
Others: GIT, AWS, Jira, Agile and Scrum methodologies, SDLC, Linux, Windows, Elasticsearch, UML
Databases: SQL: MySQL, Oracle DB, NoSQL: MongoDB
Oracle Applications and Tools: CRM Systems, OSC, Siebel, CPQ, OCC, AppComposer, Groovy Scripting, OIC/ICS, AIA, MCS, VBCS

ACADEMIC PROJECTS

https://github.com/parvathysjsu for additional information and projects

Product Inventory App

- Built a single page application for product inventory and management using MERN stack. Elasticsearch is implemented using mongoosastic library in Node.js for searching the repository across all objects, enabling faster search and eliminating complex queries to the database

FoodStrap: Food Donation Portal

- Developed a web application in Node.js using Express.js, HTML, CSS, and MongoDB for leftover food donation and to eliminate food waste. An open source chat application is integrated with this app. Sentiment analysis is performed on chat messages in Node.js. Automated test cases using Mocha and Selenium in Node.js

HomeShare: An Airbnb Prototype

- Implemented a web application for renting rooms. Performed database design, developed queries and stored procedures in MySQL. Build backend REST APIs using Node.js.