Parvathy Kannankumarath Madom Krishnan

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EDUCATION

Master of Science, Software Engineering   Aug 2019 - Expected Dec 2020
- San Jose State University, San Jose, CA
- **Courses**: Cloud Computing, Virtualization, Software Security, Web UI Design, Database Design, Enterprise Software, Software Systems

Bachelor of Technology, Computer Science and Engineering   Jul 2010 - May 2014
- University of Calicut, India

SKILLS

Languages: JavaScript, Java, Python, C, C++, Groovy Script, SQL, HTML5, XSL, BML
Technologies: MVC, Domain driven design, REST, SOAP, Node.js, XML, JSON, SOA, Design Patterns, Siebel Tools, GIT, SVN, Oracle ADE, AWS, Docker, Jira, MongoDB

EXPERIENCE

Senior Applications Engineer, Oracle, India   Sep 2017 - Jun 2019
- Designed and implemented various features for Oracle Cloud Communications Industry Solutions – An integration between cloud applications: CRM, billing, quoting and commerce
- Developed a unified user interface for enterprise sales catalog management using **HTML5, CSS3, JavaScript** and **Oracle JET** to deploy and manage product catalog repository and publish them to various Oracle cloud applications
- Built a **REST API** conforming to TMForum API standards based on domain-driven design approach using **NodeJS**
- Developed a utility to seed data in central hub using **Python**

Applications Engineer, Oracle, India   Jun 2014 - Sep 2017
- Implemented solution to integrate Oracle Fusion and Siebel OnPrem to aid in renewal of expiring contracts, tracking revenue and key performance metrics and managing profiles
- Formulated a workflow using **Siebel Tools** to send reminders for expiring contracts
- Developed a solution for real time integration between Oracle Fusion cloud and Siebel Customer Hub on-prem applications using Service Oriented Architecture (**SOA**)
- Built a unit testing utility to verify synchronization of data using **Java**

ACADEMIC PROJECTS

Decentralized Voting App using Blockchain, SJSU   https://github.com/parvathysjsu/DeCent-Vote
- Web-based decentralized voting application using blockchain mechanism
- Developed using IBM Blockchain Platform, Hyperledger Fabric, Vue.js, Node.js

Mobile Test Service Platform: MobileTaaS, SJSU   https://github.com/parvathysjsu/MobileTaaS
- MobileTaaS provides crowd-sourced mobile testing services for mobile apps. Let's Chat open source messaging application integrated with this app
- Implemented using NodeJS and MongoDB

Virtualization: Instrumentation via hypercall, SJSU   https://github.com/parvathysjsu/linux
- Modified KVM for new functionality during Virtualization
- Created new leaf nodes for CPUID instruction to return count and time taken for VMEXITS

Go Board Game, SJSU   https://github.com/parvathysjsu/GoBoardGame
- Implemented the chinese board game GO in Java using MVC and design patterns
- Demonstrated the extensibility of model and controller layers by building a web application