# Jayarani Emekar

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## Objective

Seeking a full-time opportunity in Software Development or Software Engineering to gain valuable industry experience.

## Education

- **Master of Science,** Computer Science | **California State University**, **Chico**, **USA**        |**GPA 4.00**    | Expected Graduation: **May 2022**
- **Bachelor of Technology**| **Govt College of Engineering Pune, Maharashtra, India**        |**GPA 4.00**   |            Graduation: **May 2015**

## Related Courses

| | | |
|---|---|---|
| Data Structures and Algorithms | Object Oriented Design Methodology | Web Technology |
| Database Management Systems | User Interface Design | Computer Security |
| Applied Machine Learning | Software Design and Maintenance | Applied Graph Theory |

## Skills

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|---|---|
| **Technologies:** | Java, J2EE, SOAP and RESTful Web Services, Microservices, Docker, JavaScript, Python, GCP, AWS |
| **Application Servers:** | Tibco, Solace, Apache Tomcat, WebSphere, Nginx |
| **Frameworks:** | Django Python, Java Servlets, Android, iOS, Hibernate, Spring boot, Spring MVC |
| **Build and Deployment Tools:** | Team-City, Urban Code Deploy (U-Deploy), Jenkins, Maven, Griddle, Ant, OpenShift |
| **Databases:** | Oracle, MySQL, MongoDB, MS SQL Server, SQLite, DB2, Sybase |
| **Tools and OS:** | SVN, Git, Windows, UNIX, Bitbucket, SOAP UI, ReadyAPI, Postman, PL-SQL Developer |

## Professional Experience

**Senior Software Development Engineer, Citi Group, Pune, India**                                          *May 2018 - July2021*

- Designed and coded trading platform application components in an Agile environment utilizing a test-driven development and SDET approach
- Successfully completed the hosting of my application to cloud platform using Docker (containerization), OpenShift and Kubernetes
- Successfully completed the migration of Sybase database to ORaaS (Oracle-as-a-service) which involved complex database structure with three different region constraints
- Worked closely with Product owner, Business Analyst, and designer to resolve any functional or technical issues in early phase and to ensure that process methodologies are followed throughout system development phase.
- Worked on development of the tool "Release on Demand" to improve release processes such as, deploying the releases on demand and release creation.
- Worked and collaborated with multiple teams to implement password management system using CyberArk for better security of applications.
- Worked with project managers to design, architect, and develop the Service Oriented Architecture using Spring Boot and Micro-services for the services which were frequently used across multiple trading application components
- Implemented Continuous Integration Continuous Deployment (CI-CD) pipeline for an application with 33 deployable components.

**Senior Software Engineer, Oracle India, Pune, India.**                                          *May 2015 – May 2018*

- Involved in Requirement Analysis, Project Planning, Sprint planning, System and Database Design, UML design and Object-Oriented Analysis and Design, Development, Testing, Implementation and Documentation using Agile methodology, unit testing and fixing various production issues
- Customized Flex-Cube banking product as per client requirements using Spring, Hibernate, Java, J2EE, and PL/SQL programming
- Designed database and developed Stored Procedures, Functions, Cursor, Triggers, Database Packages and Oracle exception handling for various database specific operations
- Single handedly migrated legacy messaging environment from TIBCO EMS to Solace for retail banking application.
- Facilitated customization of systems by encouraging software engineering team to adopt emerging standards for software application development architecture and tools.
- Excelled in rapid application development and management of technological issues for assigned projects, earning the highest customer satisfaction rating for all software solutions delivered.
- Introduced methodologies and best practices that enhanced product definition, release processes and customization of applications to user needs.

## Academic Projects

**Loot of Lima-Board Game** Java| multi-threading| Data structures| JDBC

- Implemented multiplayer game Loot of Lima as human player and computer player
- Worked on managing the performance of game, handing multithreading issues and security

**Path to herd Immunity** Python | Machine Learning | Data Analysis

- Built some visualizations for analysis of COVID-19 datasets and find out the path to herd immunity.
- Performed data cleaning, data manipulation to form hypotheses and compared with actual data to verify hypotheses.
- Conclusions were formed bases on correctness of hypotheses and anomalies found in datasets.

**Pizza Delivery System** Python | Django | WebSocket |JavaScript

- Implemented the pizza delivery system using Django framework
- It helps user to place the order, get real time order status updates, real time chatbot and mock payment API configuration.

## Professional Achievements

- Received **Gold Gratitude** award for successful Migration from Sybase to Oracle as a service, mentoring a batch of 2019 Summer Interns to create various solutions and successful implementation of the distributed Automation Tests framework.
- Received **Silver Gratitude** award for implementation of Continuous Integration Continuous Deployment (CI-CD) pipeline for an application with 33 deployable components.
- Received **I-Appreciate** award for successful performance improvement of multithreading framework for bulk transactions of retail banking
- Received **Ace** award for successful installation of Walk mod for all the Java components of project. It is an open-source Java tool to apply code conventions and introducing idea and creation of Doc-Scanner product. It is an In-house product to extract the content from java code and publish it to internal blog automatically during Integration build.
- Received a first prize in "Techathon - A Coding Marathon" (24Hours Coding Challenge) organized by Geometric Limited.