

# KEERTHANA VELISHALA

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## EDUCATION

### University of South Florida

Master's, Computer Systems Analysis

Aug. 2023 – Dec 2024

Tampa, Florida

### University College of Engineering, Osmania University

Bachelor's, Mechanical Engineering with GPA 8.4

June. 2014 – May 2018

Hyderabad, India

## EXPERIENCE

### Align Technology

Software Engineer- Java Developer

June 2022 – August 2023

Hyderabad, Telangana

- Played a pivotal role in the design and development of **IDS** (Invisalign Dental Site) application. IDS, a **web-based** app, is adopted by dentists across 23+ countries, showcasing our global reach.
- Utilized **Spring Boot Framework** and **Spring Security**, to enhance application security and efficiency.
- Utilized **AWS** services such as **EC2, S3, and Lambda** for effective web hosting and data management, storage, and backup solutions.
- Actively participated in the entire **software development lifecycle(SDLC)**, from design and analysis to deployment and support, following **Agile methodologies** and **Scrum practices**.
- My analytical approach has been pivotal in identifying and resolving intricate backend challenges, ensuring optimal system performance
- Demonstrated proficiency in a range of technologies, including **Java, PostgreSQL, JDBC, Hibernate**, and **Rest-APIs**, showcasing versatility and adaptability.

### Hexagon Capability Centre India

Senior Software Developer

June 2020 – June 2022

Hyderabad, Telangana

- Championed the development and deployment of the **Smart 3D** application, Hexagon PPM tool.
- Extensive experience in **Java/J2EE** server-side development, I excel in utilizing both **core** and advanced Java concepts, including the proficient use of Java 8 features like parallel operations, which streamlines **multi-threaded** application development.
- Expertise in orchestrating and scaling containerized applications using **Kubernetes** and **Docker**, specializing in creating and managing Docker images and integrating with Spring Boot applications, thereby streamlining development processes and enhancing application scalability.
- Expertise in design patterns including **Singleton, MVC, and Factory Design pattern**, facilitating the structuring of code for scalability, maintainability, and reliability. Actively participated in **database** schema design, crafting views, and functions, and formulating complex **SQL queries**, which enhanced database efficiency and accessibility.
- Leveraged **Java 8** features such as **lambda expressions** and **Stream API** to craft clean, concise, and effective code for application development.
- Developed and maintained **CI/CD** pipelines using **Jenkins**, promoting streamlined development and deployment processes.
- Incorporated messaging tools such as **Apache Kafka** for real-time communication and data processing in applications.
- Engaged in Agile methodologies like Test-Driven Development (TDD) and utilized **JIRA** for sprint tracking in daily SCRUM meetings, for efficient bug and issue tracking.
- Utilized tools like **Git** for streamlined version control management.
- Skilled in using various Integrated Development Environments (IDEs) such as **Eclipse, IntelliJ IDEA**, and **Visual Studio Code** enhancing code development, **debugging**, and overall productivity in web application development.
- Operated within cross-functional Agile frameworks, actively participating in SCRUM meetings, sprint planning and retrospectives.
- Performed code reviews in **Git** and **Bitbucket** and used **SonarQube** to improve code quality.

## TECHNICAL SKILLS

**Programming Languages:** Java, HTML/CSS, SQL, Object Oriented Programming languages.

**Software Development Concepts:** Data Structures and Algorithms, Microservices, REST architecture, CI/CD Integration, DevOps

**Technologies/Frameworks:** Postman, GitHub, Jenkins, AWS, Relational Databases like MySQL, JDBC, Hibernate, Maven, Spring Boot, Struts, MongoDB

**Testing tools and Miscellaneous:** Mockito, Git, Eclipse, JIRA, JUnit, Jmeter, Cucumber, SonarQube, BitBucket, Powerpoint, Shell, Unix

## AWARDS AND ACCOMPLISHMENTS

- Designed the back-end architecture and basic UI for our college's alumni website, collaborating with computer science undergraduates.