

# Jayakishan Presingu

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[Website](#) | [GitHub](#) | [LinkedIn](#)

## SUMMARY:

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- Skilled in Java programming, expertly developing enterprise-level applications using Spring and Spring Boot frameworks for scalable and maintainable back-end solutions in diverse web applications.
- Strong expertise in writing unit tests for React.js components using frameworks like Jest, React Testing Library.
- Experience in working with popular UI component libraries for React.js, such as Material-UI, React Bootstrap.
- Proficient in designing and implementing RESTful APIs using Java frameworks like Spring MVC, ensuring seamless integration between front-end and back-end components.
- Thrived in cross-functional teams, effectively leveraging strong communication skills to excel in multidisciplinary teamwork across local and global settings, fostering productive collaborations and contributing to shared goals.
- Established a reputation for consistently delivering high-quality work within set deadlines, ensuring that projects are completed with precision and reliability.
- Consistently demonstrated a creative and innovation approach to problem-solving, developing novel solutions that improved efficiency and effectiveness in software development processes.
- Strong debugging, problem-solving skills, enabling efficient troubleshooting, resolution of issues in Java apps.
- Continuous learner with a passion for staying updated with the latest technologies and trends in the Java ecosystem, ensuring ongoing professional growth and improvement.
- Developed a solid understanding of semiconductor technologies and their applications, enhancing comprehension of the underlying hardware that powers technological systems.
- Regularly maintain database tasks such as backups, updates, and optimization to keep the system running.

## EDUCATION:

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### Master of Science in Computer Science

University: University of North Texas – Denton, TX, USA.

Duration: January 2021 - May 2022

### Bachelor of Technology in Computer Science & Engineering

University: Jawaharlal Nehru Technological University, Kakinada – AP, India.

Duration: June 2014 - May 2018

## PROFESSIONAL EXPERIENCE:

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### Role: FULL STACK DEVELOPER

Duration: August 2022 - Present

Company: Shrive Solutions LLC. – Charlotte, NC.

#### Responsibilities:

- Leveraging Java and Spring Boot, contribute to the development of a clinical trial management system to efficiently track trials, patient data, and results across various programming languages.
- Collaborative with cross-functional teams to gather and understand validation requirements, translating them into detailed technical specifications for efficient implementation.
- Designed and developed server-side applications and RESTful APIs using Python, leveraging frameworks like Flask and Django to automate the validation process of EYPC products.
- Created and managed database structures, ensuring seamless integration with automated validation processes and maintaining data consistency and integrity.
- Developed responsive frontend components and user interfaces using HTML, CSS, and JavaScript, enhancing the user experience, and ensuring compatibility across platforms.
- Utilized Docker to containerize applications, streamlining the development and deployment workflow and ensuring consistency across different environments.
- Integrated artificial intelligence components into web applications to enhance user experiences, utilizing techniques such as natural language processing, recommendation systems, and image recognition.
- Managed Docker images, facilitating efficient application deployment, and minimizing inconsistencies.
- Efficiently orchestrated Kubernetes clusters for seamless container deployment enhancing validation processes.

- Proficiently utilized PostgreSQL as a relational database management system for storing and retrieving data in applications, ensuring data integrity and security.
- Showcased database expertise in PostgreSQL and NoSQL databases.
- Thoroughly tested applications, resolving bugs, optimize performance, and ensuring reliable automated validation processes.
- Implemented and maintained strong application security measures, consistently monitored, and improved to safeguard the validation infrastructure.
- Stayed current with software development trends, integrating advancements in efficient automation solutions.
- Provided technical support to internal teams, assisting in resolving any technical issues that arose during the validation process, and contributing to efficient post-silicon validation.
- Collaborated effectively with fellow developers and cross-functional teams, sharing expertise, and contributing to the enhancement of the validation automation process.
- Utilized version control systems like Git to manage and track changes in source code, ensuring efficient collaboration, version control, and automated testing through CI/CD pipelines for validation automation code.
- Demonstrated strong problem-solving skills and the ability to work independently, driving tasks related to validation automation to successful completion.
- Showcased excellent communication skills in collaborating with cross-functional teams, ensuring alignment and effective implementation of validation automation solutions.
- Embraced a passion for staying current with the latest technologies and industry trends, applying them judiciously to enhance the validation automation process.
- Gained practical knowledge of data center operations, including networking, server hardware, and virtualization technologies.
- Proficiently utilized Node.js to build server-side applications and APIs, leveraging its non-blocking I/O model for efficient and scalable systems.
- Developed real-time applications using technologies like WebSockets in Node.js, providing users with dynamic and interactive experiences.

**Role: SOFTWARE ENGINEER**

**Duration: July 2016 – December 2020**

**Company: VRK Technologies PVT. LTD. – Hyderabad, India.**

- Translated technical requirements into detailed technical specifications, providing clear guidance to development teams and ensuring alignment with project goals.
- Seamlessly integrated React.js into our tech stack, utilizing libraries such as React Router and Material-UI to facilitate dynamic UI components and enhanced user journeys.
- Implemented Training and Appraisal modules with Java, JSP, JavaScript, and Java Swing.
- Employed Struts as a framework, orchestrating frontend interactions with backend services seamlessly.
- Enhanced database architecture by designing, optimizing, and modifying structures like tables, views, triggers, stored procedures, and functions, paving the way for innovative features.
- Provided technical support to end-users, addressing inquiries, troubleshooting issues, ensuring satisfaction.
- Collaborated closely with hardware engineers in the silicon validation process, ensuring that software components interact seamlessly with the underlying hardware.
- Designed and implemented database structures that efficiently organized and stored data, ensuring optimal performance for data retrieval and manipulation operations.

## **TECHNICAL SKILLS:**

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**Programming/Web Technologies:** Java, Python, JavaScript, TypeScript

**Frontend Technologies:** HTML5, CSS3, React js, Redux, React Router, Material-UI, Fetch API, Axios, Next js

**Frameworks:** Flask, Django, Spring Boot, Spring MVC, Spring Data JPA

**Databases:** MySQL, MongoDB, Redis, Amazon RDS, Postgres SQL

**Web Services:** RESTful APIs, Fetch API, GraphQL, Lazy Loading, Caching, Minification

**Tools/Platforms:** Git, Postman, Junit, Eclipse, Mockito, GitFlow, Docker, Docker Compose, Kubernetes, Maven, Gradle, CI/CD (Jenkins, GitLab CI/CD, CircleCI), JUnit, TestNG, Test-Driven Development (TDD)

**Cloud Platforms:** Amazon Web Services (AWS) - EC2, S3, Lambda, Elastic Beanstalk, ECS, CloudFormation, DynamoDB

**Others:** Agile Methodologies (Scrum), JPA (Java Persistence API),