

# Hiralben Hirpara

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## Professional Experience

**Software Engineer** - Wells Fargo Bank, San Francisco, CA **March 2023 - Present**

- Develop and maintain scalable, Java-based REST API microservices using Spring Boot, running in containerized environments, supporting enterprise-level applications.
- Improved system performance and reliability by optimizing backend logic and service-to-service communication.
- Collaborate with cross-functional teams (product, QA, UI) to define, implement, and deliver new features that meet business goals and improve customer experience.
- Apply Behavior-Driven Development (BDD) practices to ensure high code quality and maintainability.
- Implemented comprehensive unit and integration tests using the Mockito framework, enhancing production code safety and maintainability.
- Adapted to changing requirements and quickly delivered features based on new priorities.
- Actively participate in Agile ceremonies (stand up, sprint planning, reviews, retrospectives), ensuring efficient task management and timely feature delivery via JIRA.

**Software Engineer** - Expert Web Designing, Gujarat, India **July 2017 - June 2019**

- Developed backend logic using Core Java and implemented RESTful APIs with Spring Boot & Hibernate.
- Improved development efficiency by 15% through reusable DAO design patterns.
- Responsible for identifying and resolving root causes of production bugs, ensuring application stability and customer satisfaction.
- Led the effort to refactor legacy code for improved maintainability, reducing technical debt by 25%.
- Contributed across all SDLC phases to ensure timely and high-quality releases.

**Software Engineer** - VR Info System, Gujarat, India **June 2016 - June 2017**

- Developed responsive, cross-browser-compatible web pages using HTML, CSS, JavaScript, and Bootstrap.
- Standardized UI components with a mobile-first approach, improving performance across devices.

## Education

MS in Computer Science (GPA: 3.8/4.0)	California State University, Los Angeles	Jan 2020 - May 2022
B.E in Computer Eng. (CGPA: 8.7/10)	Gujarat Technological University, India	June 2013 - May 2016
Diploma in Computer Eng. (CGPA: 8.0/10)	Gujarat Technological University, India	June 2010 - May 2013

## Projects

### File-level-Storage system:

A full-stack Java-based Spring Boot web application designed to organize and store various file types (documents, images, etc.) in a hierarchical structure.

- Utilized Hibernate for ORM to map Java classes to database tables.
- Integrated Node.js to build additional backend interfaces and RESTful APIs.
- Developed the frontend using React, implementing reusable components and routing to create a responsive Single Page Application (SPA).

### Image Caption Generator:

Built a deep learning model to generate natural language descriptions for images using a Kaggle dataset.

- Combined Convolutional Neural Networks (CNN) for image feature extraction with Long Short-Term Memory (LSTM) for sequence generation.
- Implemented Beam Search to improve caption quality during inference.

## Technical skills

**Languages/Framework:** Java, Spring Boot, SQL, MongoDB, JPA, ORM, Hibernate, Junit, Mockito, Kafka, Gherkin, Cucumber, Karate, React, HTML, CSS, Bootstrap

**Tools:** Git, GitHub, GitHub Copilot, Jenkins, Harness, Oracle SQL, Splunk, SonarQube, Postman, IntelliJ, Gradle, CI/CD, Splunk, Confluence, JIRA, Scrum, SDLC

**Familiar:** Elasticsearch, Python, Azure, Kubernetes, Docker