# 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, enhancing system performance and reliability.
- Collaborate with cross-functional teams (product, QA, design) to define, implement, and deliver new features that meet business goals and improve customer experience.
- Apply Test Driven Development (TDD) and Behavior-Driven Development (BDD) to improve code quality, reduce defects, and enhance 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 (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 and Hibernate.
- Increased code reusability and efficiency through DAO design patterns, improving development speed by 15%.
- 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

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| 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**: Java, SQL
**Technologies/Framework**: Spring Boot, JPA, ORM, Hibernate, Kafka, Junit, Mockito, Gradle, Gherkin
**Developer Tools**: IntelliJ, Git, GitHub, GitHub Copilot, Jenkins, Oracle SQL, Splunk, SonarQube, Postman, Cucumber, CI/CD, Confluence,
**Familiar**: React, HTML, CSS, Bootstrap, Elasticsearch, MongoDB, NoSQL, Python