

# Prasanna S

Full Stack Developer

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## TECHNICAL SKILLS

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**Languages:** Java, Python, Golang, C, HTML, CSS, JavaScript

**Technologies & Tools:** Spring Boot, Hibernate, JDBC, Spring Framework, Gin and Gorm, Redis, REST API, GitHub, SQL, AWS Cloud

## EDUCATION

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**Master of Computer Application**

CGPA: 7.1

*PES UNIVERSITY, Bangalore*

*2022-2024*

**Bachelor of Computer Application**

CGPA: 8.1

*RNS FIRST GRADE COLLEGE, Bangalore*

*2018-2021*

## INTERNSHIP

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**Software Engineer Intern**

May 2025 – Present

*Open Financial Technologies*

- Developed scalable APIs on the Zwitch platform using Golang, Gin, and Gorm, integrating multiple banking APIs
- Implemented Postgres as the primary database with full transaction management for reliable operations
- Implemented Redis-based session management and authentication middleware for secure API access
- Created unit and integration tests using `httpptest` to ensure correctness, reliability, and maintainability.
- Built CLI tools using Cobra commands and validated APIs with Postman for testing and quality assurance
- Managed source code via Git/GitHub with branches, pull requests, and code reviews for collaborative development
- Technologies & Tools: Golang, Gin, Gorm, Postgres, Redis, JWT, REST API, Authentication Middleware, Transaction Management, Unit Testing, Integration Testing, Cobra, `httpptest`, Postman, Git/GitHub

**Java Full Stack Web Development Intern**

Jul 2024 – Sep 2024

*Main Flow Services and Technologies*

- Developed an Employee Management System using Spring Framework.
- Incorporated security measures with Spring Security and JWT tokens.
- Integrated MySQL and H2 databases for efficient data storage and retrieval.
- Enhanced front end using ReactJS and Bootstrap, and managed code with Git/GitHub.
- Technologies & Tools: Java, Spring Boot, Hibernate, REST API, Spring Data JPA, Servlets, Spring Security, JWT, MySQL, H2, ReactJS, Bootstrap, Git/GitHub.

## PROJECTS

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**Full-Fledged Application Using Golang**

- Developed a fully functional Todo backend with CRUD operations, pagination, and JWT-based authentication using Gin and Gorm.
- Implemented Cookies for refresh tokens and access tokens to ensure security from XSS attacks and authorized access.
- Added an error-handling mechanism to check errors on each level of coding, and also followed the coding standards and followed the mvc architecture.
- Implemented Redis for refresh tokens and session management to ensure secure and authorized access.
- Designed scalable REST APIs with proper error handling, data validation, filtering, and pagination.
- Created comprehensive unit and integration tests for correctness, reliability, and maintainability.
- Technologies Used: Golang, Gin, Gorm, REST API, Postgres, Redis, JWT, Authentication Middleware, Unit Testing, Integration Testing.

## Expense Tracker Api Using Golang

- Built a CRUD backend using Gin and Gorm frameworks with Postgres database.
- Exposed REST APIs with proper data validation, filtering, and error handling for reliable operations.
- Added cookie-based JWT tokens to validate and authorize the requests for the api, and also incorporated the rate limiter and throttle limiter to save the API's usage.
- Technologies Used: Golang, Gin, Gorm, REST API, Postgres.

## Arecanut Trading App, E-commerce Android Application

- Designed and developed a real-time e-commerce application with dual functionality for buyers and sellers on a single platform.
- Implemented Firebase Authentication for secure login and signup processes.
- Created a responsive front end using XML and Android Studio libraries for enhanced user experience.
- Enhanced user convenience, ensured secure transactions, implemented real-time pricing, and enabled efficient data management.
- Technologies Used: Java, Android Studio, Firebase, XML, Jsoup.

## Expense Tracker

- Built an Expense Tracker application focusing on backend development using Java technologies.
- Leveraged Spring Framework and Spring Boot to create a robust, scalable backend architecture and exposed REST APIs for all expense tracking operations.
- Used MySQL as the database for efficient and secure data storage, ensuring seamless query processing and data integrity.
- Optimized the backend solution for performance, maintainability, and reliability.
- Technologies Used: Java, Spring Framework, Spring Boot, REST API, MySQL.

## Online Voting System

- Created an online voting system using ASP.NET to build a dynamic web application.
- Enhanced web pages using ASP.NET Web Forms for secure user registration, login, and voting functionalities.
- Integrated MySQL for secure storage and management of votes and user information.
- Technologies Used: ASP.NET, MySQL, Web Forms.

## CERTIFICATES

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| • <b>Go Programming Language Certification</b> | <i>Great Learning, June 2025</i>          |
| • <b>Core and Advanced Java Certification</b>  | <i>JSPIDERS, Bangalore, August 2022</i>   |
| • <b>Python Certification</b>                  | <i>Glovish Technologies, October 2019</i> |