# Sachin Satish Prasad

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Full Stack Developer with 3+ years of experience building scalable web applications using React, Java, Spring Boot, and modern front-end technologies. Proven expertise in developing robust RESTful APIs, designing intuitive user interfaces, and collaborating in Agile teams to deliver high-quality software. Passionate about creating secure, performant, and user-centric applications with clean architecture and best coding practices.

## Technical Expertise / Skills

**Languages: JavaScript (ES6+), Java (Spring Boot), SQL, Python**

**Front-End: React, Redux Toolkit, React Router, Tailwind CSS, Chart.js, D3.js**

**Back-End: Spring Boot (Spring MVC, Spring Data JPA, Spring Security), Hibernate, Jakarta Persistence (JPA)**

**Databases: MySQL, MongoDB**

**Cloud & DevOps: AWS (EC2, S3), Maven, Jenkins, Docker**

**Tools: Git, GitHub, Postman**

**Key Concepts: System Design, REST APIs, Microservices, Scalability, Security (OAuth2, JWT), CI/CD Pipelines, Database Optimization**

## Experience

**Full Stack Developer**, Qdata Inc, Little Elm, TX                                    **January 2024 - April 2025**

- Designed and delivered full-stack web applications for 10+ small-to-medium   business clients across various industries.
- Built responsive, dynamic user interfaces and scalable RESTful APIs, reducing deployment times and improving client satisfaction.
- Integrated MySQL databases with Spring Data JPA, optimizing data retrieval and ensuring high-performance backend services.
- Implemented secure authentication and authorization using Spring Security and JWT, strengthening application security across projects.
- Collaborated directly with business stakeholders to gather requirements, propose solutions, and deliver tailored software.

*Career break to pursue a Master's degree at California State University in Computer Science from August 2021 to December 2023.*

**Software Engineer,** Dwaipayana Technologies Ltd, India                                    **June 2019 - July 2021**

• Designed, developed, and delivered full-stack applications using the MERN stack for small-to-medium business clients.
• Built scalable RESTful APIs with Node.js and Express, improving application responsiveness and enabling seamless third-party integrations.
• Optimized MongoDB database queries and indexing strategies, reducing data retrieval times and enhancing overall system performance.
• Led end-to-end project development — from gathering client requirements to architecture design, implementation, deployment.
• Mentored 3 junior developers, promoting best practices in full-stack development and improving overall code quality within the team.

## Projects & Research Activities

**Netflix GPT**                                                                              **CSU CHICO**
- Built a personalized movie recommendation system integrating TMDB API and OpenAI's GPT API.
- Developed front-end using React and Tailwind CSS; implemented secure authentication flows with Firebase.
- Designed scalable back-end services with Node.js.
- Optimized large dataset handling through memoization, ensuring a smooth user experience.

**Multi-dimentional Exploration**                                                            **CSU, CHICO**
- Developed an interactive dashboard using React, D3.js, and Chart.js for real-time visualization of graph structures.
- Built REST APIs to support backend data processing and visualization endpoints (planned upgrade to Spring Boot).
- Enabled efficient exploration of large datasets through intuitive filtering and user interactions.

## Education

**California State University, Chico**                                                        **Dec 2023**
Master of Science in Computer Science

**Visvesvaraya Technological University**                                                     **July 2020**
Bachelor of Science in Information Science