Sachin Satish Prasad

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Full Stack Developer with 3+ years of experience building scalable web applications using Java, Spring Boot, React, 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: Java (Spring Boot), JavaScript (ES6+), 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 (basic)

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