PRANJAL SHARMA

Cincinnati, Ohio 45242 • +1-929-682-4775 • pranjal.sharm98@gmail.com
https://www.linkedin.com/in/pranjalsharma28

JAVA DEVELOPER

Talented Software Developer with 2 years of professional experience excelling in both backend and frontend development (full stack) to create comprehensive applications. Experienced in seamlessly integrating, rigorously testing, and fortifying enterprise applications, with a strong track record of providing robust support. Proficient in constructing robust backend systems and intuitive user interfaces, leveraging Java, Spring Framework and java script libraries within Health, supply chain logistics and e-commerce domains Additionally, skilled in cross-platform mobile apps development using React Native. Hands-on experience with Kafka, ActiveMQ, Docker and Google Cloud Platform (GCP).

Object Oriented Programming • SOLID • Databases • Messaging • Containerization • Web Services
Database Development • Testing • Single Page Applications

Languages: Java, JavaScript, C, C++, Python
Web: HTML5, CSS3, SCSS, Bootstrap, XML, XHTML, JSON
Web Services: SOAP, REST, Swagger
Web/App Servers: Apache, Tomcat, Node.js
Frameworks: Spring, Spring Boot, Spring MVC, Hibernate, React, React Native
Databases: MySQL, Oracle, PostgreSQL, SQLite, MongoDB
Programming Paradigms: Object-Oriented Programming (OOP), Procedural Programming, Declarative Programming
Design Patterns: Singleton, factory, Microservices Architecture.
SDLC: Agile / Scrum, Waterfall
Tools: Eclipse, VS Code, Android Studio, Maven, Jenkins, Postman, Git, Jira, ActiveMQ, Kafka, Docker, Star UML, Junit, Mockito, NPM, shell scripting, Blender
Platforms: Window, Linux, UNIX, Google Cloud, AWS
Machine Learning: CNN, Transfer Learning, TensorFlow, OpenCV

PROFESSIONAL EXPERIENCE

*CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **master's degree in computer science** (Available for full-time, W-2 employment).*

RIBERA SOLUTIONS, Kathmandu, Nepal • 05/2022 – 05/2023
Software and services company.

Software Engineer
Built software solutions.
- Designed and integrated authentication mechanisms using OAuth and JWT tokens, fortifying user authentication processes and preventing unauthorized access to improve security significantly.
- Consolidated multiple virtualized applications using Docker and Docker-Compose, resulting in a significant reduction in hardware resource usage.
- Collaborated with cross-functional teams such as UX/UI designers leveraging my written and verbal communication skills to create intuitive and visually appealing interfaces by using react, resulting in a 25% increase in user satisfaction scores and positive feedback from end-users.
- Integrated Spring Boot Actuator to monitor and manage application health and performance metrics, enabling proactive issue detection, debugging and resolution using my problem-solving skills.
- Leveraged Spring AOP (Aspect-Oriented Programming) to implement cross-cutting concerns such as logging, caching, and transaction management, improving code modularity and maintainability.

Technologies Used: *Java, J2EE, Hibernate, SQL, Postman, Junit, Mockito, GitHub, RESTful APIs, Jira, JDBC, data structures*

BLUME GLOBAL, Bangalore, India • 08/2021 – 05/2022
Digital supply chain platform.

Associate Software engineer
Worked on software dev/EA mobile application.

- Implemented encryption algorithms for securely storing client data in sessions on the frontend, significantly bolstering data security measures and fostering client trust in the platform's confidentiality and integrity standards.
- Optimized the performance of a Java Spring web application by identifying and resolving database query issues, enhancing system responsiveness and efficiency by 30%.
- Worked on a React Native mobile application to interface with a Java Spring-based API for real-time data retrieval and display and integrated Firebase Cloud Messaging with the React Native app to alert users promptly about important updates.
- Developed a new cross platform mobile application using React Native to replace the deprecated one built with Titanium, enhancing user experience by integrating push notifications and Google Maps API functionalities.
- Leveraged React Router for client-side routing and navigation within single-page applications (SPAs), improving usability and page load times. Implemented state management using Redux or Context API in React applications, ensuring efficient data flow and maintainability of complex UI states.
- Provided application support, addressing user issues and implementing fixes to ensure smooth operation. Documented features and software development process in confluence.

Technologies Used: *Spring, Spring Boot, React, Jenkins, React Native,* Kafka, Postman, Junit, Mockito, Git, Jira, Redux

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ACADEMIC PROJECTS

Maharishi International University (2023) [Real Estate Website Project](#): Real Estate Application provide features for exploring, buying, selling, and renting properties. Incorporated advanced search filters, interactive maps, and property valuation tools for users in the real estate market.
Technologies Used: Postgres, Java, spring boot, React.

Maharishi International University (2024) [Badge System](#): Badge System Application provides an efficient and secure solution for tracking attendance in various facilities within MIU. By replicating the functionality of physical scanners and incorporating features such as role-based access control, OAuth security integration, and the application streamlines attendance management processes while ensuring data security and reliability.
Technologies Used: Spring Boot, JPA, Spring Security, MySQL, ActiveMQ, Heroku

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 04/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Web Application Programming, Algorithms, Web Application Architecture, Enterprise Architecture

Bachelor of Engineering in Computer Science
(Completion 08/2021)
Siddaganga Institute of Technology, Tumkur, Karnataka

CERTIFICATIONS

[AWS Certified Solutions Architect - Associate](#)
[CCNA: Introduction to Networks](#)
[React - The Complete Guide 2024 (incl. React Router & Redux)](#)
[Fundamentals Of Digital Marketing](#)

Augmented Reality Publications
[International Journal of Advance Research, Ideas and Innovations in Technology](#)

[Portfolio](#)