

Piyush Rawat

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Summary

Software Engineer with over 4 years of experience skilled in designing and developing scalable, high-performance web applications using Java, JavaScript, MySQL. Excellent communicator with a proven ability to convey technical concepts clearly and effectively.

Experience

Software Development Engineer

Oct 2021 - April 2025

Indian Institute of Technology, Roorkee, India

Onsite

- Designed and developed a scalable web application for IIT Roorkee Virtual Labs using technologies like Java, JavaScript, MySQL, and HTML/CSS improving system performance and user interactivity for over 10,000+ users.
- Developed front-end functionalities, including a intuitive filtering system, improving browsing efficiency, interactivity, resulting in an overall enhanced user experience.
- Developed a user-friendly front end feature to translate UI text from English to Hindi, enhancing accessibility for native language users and supporting multilingual access.
- Implemented a secure MySQL database schema for user authentication, achieving a 20% reduction in authentication errors while ensuring robust data integrity.
- Mentored new team members and conducted technical knowledge-sharing sessions, accelerating the onboarding process and improving overall team productivity and collaboration in cross functional environments.

Associate Operations

Oct 2019 - March 2021

Startek Pvt. Ltd, Bangalore, India

Onsite

- Automated routine tasks using **PowerShell and Bash scripts**, which **improved efficiency and reduced manual effort**.
- Developed **custom monitoring scripts** that proactively detect issues and send alerts, **minimizing system downtime**.

Back end Developer

Jan 2019 - Sep 2019

Leathermozzo India Pvt. Ltd, Bangalore, India

Onsite

- Developed **RESTful APIs integrations and MySQL** based storage solutions to improve backend performance, scalability, and data handling efficiency.

Skills

Programming Languages : Java, JavaScript, C++

Web development : HTML, CSS, JavaScript

Database & Backend : MySQL, Spring Boot, XAMPP

Tools & Platforms : Git, GitHub, REST APIs, Figma, Canva

Operating Systems : Windows, MacOS

Other Skills : Data Structures, Algorithms, OOPS, SDLC, Computer Networks, DBMS

Soft Skills : Team Leadership, Communication, Collaboration, Problem Solving, Consistency, Discipline

Education

Graphic Era University

Master's in Computer Application

2015 - 2017

Graphic Era University

Bachelor's in Computer Application

2012 - 2015

Accomplishments

- Honored with a **Silver coin by IIT Roorkee** for the design and development of an internal application, enhancing user experience and operational efficiency.
- Recognised as an **Expert speaker** by Gudlavalleru Engineering College for delivering a lecture on the "Development of Virtual Labs" sharing insights and expertise on the field.
- Optimised application performance, leading to a **20% increase in traffic** within six months.