Khushal Sehrawat

New Delhi in Khushal Sehrawat

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Summary

Java-focused Full Stack Developer with a strong background in creating dynamic web applications and managing databases using SQL and NoSQL. Skilled in leveraging Java frameworks like Spring Boot and Hibernate to enhance application performance. Successfully led projects integrating Docker and Kafka to streamline development processes. Eager to apply technical expertise in Java to deliver innovative solutions and drive impactful project outcomes.

Education

Maharishi Dayanand University   **May 2026**
B.Tech., Computer Science Engineering
- **Coursework:** Software Foundations, Computer Architecture, Algorithms, Artificial Intelligence, Comparison of Learning Algorithms, Computational Theory

Technologies & Tools

- **Languages**: Java, Python, C, C++, JavaScript, TypeScript, SQL
- **Backend**: Spring Boot, Spring MVC, Spring Security, Hibernate, Node.js, RESTful APIs, Microservices
- **Frontend**: React.js, HTML, CSS, Bootstrap, jQuery, Angular
- **Database**: MySQL, PostgreSQL, MongoDB, Redis, Apache Kafka
- **DevOps & Tools**: Docker, Git, GitHub, GitHub Actions, Postman, Jenkins
- **Soft Skills**: Teamwork, Creativity, Excellent Communication, Leadership, Time Management, Problem Solving and Critical Thinking

Experience

HURLAD By The Eaglets   **May 2024 - May 2025**
Full Stack Developer   *New Delhi, INDIA*
- Applied data organization, critical thinking, and problem-solving skills to streamline project workflows, enhancing team efficiency
- Utilized graphic design skills to create visually appealing interfaces, enhancing user experience and brand consistency
- Implemented SEO optimization strategies to increase website visibility and drive organic traffic
- Led project innovation initiatives, integrating new technologies like GitHub Actions and Jenkins to enhance development processes
- Communicated effectively with clients and stakeholders to gather requirements and feedback, ensuring project alignment and satisfaction

TechFest, IIT Bombay   **Jun 2023 - Apr 2024**
College Ambassador, Intern   *Mumbai, INDIA*
- Gained expertise in social media marketing strategies, enhancing TechFest's online presence and engagement
- Developed a graphic design project using React.js and JavaScript, resulting in improved visual content for TechFest's promotional materials
- Redesigned chat file format and implemented backward compatibility for search.

Projects

DuskyHospital - Spring Boot Hospital Management API | Github Link   **Apr 2025**
- Technologies Used: Java, Spring Boot, Spring Security,JPA/Hibernate, MySQL, JWT
- Architected a RESTful API to manage Patients, Doctors, Appointments, Tests, Diseases, and Bills.
- role-based access control Admin vs. Doctor vs. Patient) with Spring Security and JWT authentication.
- bill generation: calculated fees (doctor, treatment, medicine, tax), produced branded PDF invoices via iTextPDF, and emailed them using JavaMailSender.
- Built service-repository layers following clean-code principles for maintainability and testability.

PDF Modifying site | Site Demo   **Jan 2025**
- Developed a full-stack PDF conversion and utility application, SwiftPDF, allowing users to efficiently interact with PDF files through an intuitive web interface.
- Designed and implemented a responsive front-end using HTML, CSS, and JavaScript to ensure a seamless user experience across devices.
- Integrated Web3form API for a fully functional "Contact Us" page, sending user feedback and inquiries directly to the administrator's email.
- Built and tested RESTful API endpoints to streamline PDF-related operations such as merging, compressing, and converting documents.
- Deployed the application using GitHub Pages, ensuring ease of access and continuous delivery.
- Enhanced site performance and usability with best practices in web development and API integration.

Ecomm - Mini ECommerce Platform | Java • SpringBoot • Razorpay | Github Link   **May 2025**
- Developed core business logic in Java to model products and simulate backend operations (product retrieval, cart management)
- Leveraged localStorage for persistent cart state, ensuring items persist across page reloads.
- Used SpringBoot, HTML, CSS, JavaScript, Bootstrap, Cdn file(from GitHub), and google fonts.
- Integrating Razorpay for purchasing items

Microservice Project Java, Spring Boot, Spring Cloud, Eureka, Spring Boot Admin, API   Github Link
Gateway, REST, Zipkin, Sleuth, Docker, Maven
- Built a distributed microservices demo system with Eureka Service Registry, Spring Cloud Gateway, and Spring Boot Admin for monitoring.
- Developed two RESTful services (Greet-API and Welcome-API) with inter-service communication using service discovery and routing.
- Enabled real-time health checks, metrics, and centralized service monitoring via Spring Boot Admin.
- Implemented distributed tracing using Spring Cloud Sleuth and Zipkin for end-to-end observability.

AI Content Generation Engineer – Independent Project | Project Link   **2025**
- Designed and deployed advanced generative AI pipelines using Stable Diffusion (SDXL), ControlNet, and LoRA, orchestrated within ComfyUI for realistic image and video synthesis.
- Developed automated content workflows for product imagery, lifestyle visuals, and marketing material with an emphasis on prompt engineering, body pose accuracy, and lighting realism.
- Optimized GPU acceleration (CUDA) for local model inference, reducing generation time and improving rendering stability on Windows environments.
- Implemented Python-based automation scripts for batch image/video generation and data preprocessing.
- Architected a pipeline for SEO-optimized, scalable AI content generation, with planning for Stripe-based monetization and client-facing productization.

Additional Experience And Certificate

- **Graphic Designing BY UDEMY**: CERTIFICATION OF Learning Graphic Designing Masterclass by Lindsay Marsh(Instructor)
- **PROGRAMMING WITH PYTHON, Internshala**: CERTIFICATE OF TRAINING IN PROGRAMMING WITH PYTHON BY INTERNSHALA
- **OpenVINO toolkit BY INTEL**: CERTIFICATION OF Learning Introduction to INTEL Distribution of OpenVINO toolkit for Computer Vision Applications (Coursea)