

# Sonu Kumar

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## EXPERIENCE

### • Cyfuture India Pvt Ltd, Noida

*Software Development Engineer*

**July 2024 – Present**

- Developed enterprise ERP solutions for a **PSU client**, aligning with business workflows, migrating legacy documents to structured modules, and automating multi-departmental operations.
- Built financial services including invoice booking, charges and deductions, and multi-mode payment processing.
- Developed a property management system aligned with Ind AS 116 for both domestic and international use cases.
- Customized payroll to support project-wise expense booking, arrears processing, and backdated pay fixation.
- Designed GST reclaim reports and monthly project-wise expenditure reports using accounting dimensions.
- Deployed and scaled services on Kubernetes (**5,000+ users**), implemented CI/CD, optimized MySQL, and integrated CDN for enhanced performance.

### • Extension Technologies Pvt Ltd, Delhi

*Software Developer*

**July 2023 – June 2024**

- Developed and optimized REST APIs for room reservation and documentation in Flask, handling 10,000+ concurrent booking requests using multithreading and concurrency control.
- Built credit management system to allocate, track, and redeem credits, maintaining offer eligibility based on usage.
- Customized ERPNext modules, including stock entry for product bundles and CRM workflows for 6+ clients to match unique business flows.
- Integrated DocuSign for digital document signing and Interakt for WhatsApp messaging in ERP workflows.
- Supported LIXIL client's helpdesk operations by enhancing field-level ticket assignment and resolution workflows.

## PROJECTS

### • Project Management Platform Java, Spring Boot, JPA, Redis, MySQL, Spring Security, JWT 🌐 *May 2025*

- Built REST APIs to manage projects, users, issues, comments, and real-time chat features using Spring Boot.
- Secured the platform with JWT-based authentication and role-based access via Spring Security.
- Optimized scalability with multithreading, Redis caching, and MySQL-backed persistence.

### • Distributed Media Upload & Download (Python, Flask, JWT, K8s, Docker, MongoDB, MySQL) 🌐

- Designed scalable microservices architecture using FastAPI, Docker, and Kubernetes with StatefulSets and Ingress.
- Built a secure JWT-based Auth Service and API Gateway for centralized authentication and routing.
- Enabled async workflows with RabbitMQ, REST/gRPC communication, and MongoDB GridFS for file storage.

## PRACTICE PROJECTS

🌐 [URL Shortener](#), [File Vault](#), [DocuSign Integration](#), [Personal Portfolio](#), [Music Portfolio](#)

## SKILLS & INTERESTS

**Languages:** Python, Java, JavaScript, TypeScript, Shell, SQL

**Frameworks & Libraries:** Spring Boot, Flask, FastAPI, Next.js, Node.js, Frappe

**Databases:** PostgreSQL, MongoDB, Redis, MariaDB

**DevOps:** AWS (EC2, S3, Lambda), Docker, Kubernetes, Terraform, Jenkins, CI/CD, Grafana, Git, Linux, Unix

**Fundamentals:** OOP, System Design, Low-Level Design, Agile Scrum, Operating Systems, Computer Networks

## EDUCATION

### • Maharshi Dayanand University, Haryana

*Bachelor in Software Development*

**Nov 2020 – Jun 2023**

- GPA: 8.6 / 10

## ACHIEVEMENTS

Solved 300+ problems on **LeetCode** focusing on algorithms and system design.

Ranked #1 on **GeeksforGeeks** for backend coding accuracy and performance.