

Kapil Agarwal

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Software Engineer

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Dedicated Software Engineer with 5 years of experience in building scalable back-end systems, microservices, and data-driven applications. Skilled in API development, microservice architecture, database optimization, and cloud-based integrations. Proficient in PHP, Python, SQL, and modern frameworks with strong expertise in system design, problem solving, and agile delivery. Attempting to leverage technical expertise to design high-performance scalable solutions.

EXPERIENCE

Property Share Online Platform Pvt. Ltd.

Bengaluru

Software Engineer

Sep 2022 — Present

- Refactored legacy systems with **design patterns** (Factory, Singleton, Observer), reducing bug reports by **50%**.
- Designed and managed **4+ microservices** with Kafka for asynchronous communication, improving system scalability.
- Implemented **user synchronization across services**, enabling seamless integration for **1M+ users**.
- Built a **unified service provider integration framework** (Abstract Factory), reducing onboarding time by **40%**.
- Developed and **automated shell scripts** for infrastructure tasks like system syncing, memory optimization, log maintenance, environment refresh, and microservice configuration
- Optimized APIs and CRM modules, cutting **average response time by 25%**.
- Integrated **Power BI & Tableau dashboards**, accelerating stakeholder decision making..
- Automated **JIRA workflows**, reducing manual project management overhead.

Mantra Labs Pvt. Ltd. | Care Health Insurance

Bengaluru

Software Engineer

Oct 2020 — Aug 2022

- Developed & integrated backend APIs with frontend applications for seamless user experience.
- Integrated **WhatsApp, Payment Gateway, Dialer APIs**, improving customer engagement & reducing manual tasks by 35%
- Optimized **large-scale database queries**, cutting processing time by 40%.
- Designed **Role-Based Access Control (RBAC)** & dashboards, strengthening security & usability.
- Maintained **high-quality code standards** with testing, reducing production defects by 20%.

TECHNICAL SKILLS

Programming: PHP, Python, SQL, JavaScript (JS/jQuery), Java (Basics), C/C++ (Basics)

Frameworks & Tools: Laravel, Yii2, MySQL Workbench, Apache, Postman, GitHub, GitLab, BitBucket, JIRA (Administration & Configuration)

Cloud & Infrastructure: Docker, Kafka, Redis, AWS Services

Data Visualization: Power BI, Tableau (Salesforce)

Soft Skills: Agile, Scrum, Leadership, Teamwork, Planning

EDUCATION

- **Bachelor of Engineering (Computer Science – IT)**

Sriram College of Engineering & Management, Banmore, M.P (RGPV)

2016 — 2020

ACTIVITIES

- Completed **System Design Masterclass 2025 (Udemy)** 2025
- Completed **IBM Data Science Certification.** 2019
- Secured a **Top 10 position** in Rakathon organized by Rakuten India. 2024
- Built & deployed multiple **Android apps** for clients & personal projects. 2018 — 2020
- Completed an **internship** at AppTech Interactive Solutions Pvt. Ltd. as an **Android Developer.** 2019 — 2020
- Participated in multiple **coding competitions & hackathons**, including ABV-IIITM Programming Quiz, Coding Champ, and Debate Club events. 2018 — 2019
- Volunteered as Academic Support Volunteer and Sponsorship & Logistics Lead at **Make A Difference (MAD)** NPO. 2019 — 2020