

# Kamal Kishor Chaurasiya

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## SUMMARY

Software Developer with hands-on experience in building scalable backend systems using Python (FastAPI, Flask) and Java (Spring Boot), along with frontend integration using JavaScript, React, and Vue. Skilled in REST APIs, microservices, automation, performance optimization, and debugging for enterprise applications.

## EDUCATION

### National Institute of Technology Kurukshetra

- Bachelor of Technology CGPA: 8.46

Kurukshetra, India

July 2019 - June 2023

## EXPERIENCE

### Oracle

- Associate Consultant – Software Development
  - Designed and implemented scalable RESTful microservices for the Interest & Charges module of FCUBS by migrating processing logic from PL/SQL to Java Spring Boot, reducing production issues by 20% and improving service response time.
  - Developed an internal automation platform using Python (Flask) for module-wise, client-ready Excel report generation directly from FCUBS data, eliminating manual extraction workflows and reducing pre-delivery processing time significantly.
  - Improved backend processing performance by 30% by optimizing the Java service layer and plsql-based processing logic, reducing EOD (End of Day) execution time.
  - Improved system reliability by debugging and resolving critical issues across Java, Python, and PL/SQL services in Linux environments.

Pune

Aug 2023 - Present

## SKILLS SUMMARY

- Languages:** Python, Java, JavaScript, SQL
- Backend:** FastAPI, Flask, REST APIs, Microservices, SQLAlchemy, Spring Boot, Hibernate
- Frontend:** React.js, Vue.js, TypeScript, Tailwind CSS, HTML
- Databases:** PostgreSQL, Oracle, Redis, MongoDB
- Tools:** GIT, Linux, Bash

## PROJECTS

### Academic Portal - Backend Developer Project

- Developed a scalable academic portal providing course management, content delivery, and academic analytics using agile methodologies with iterative sprints and continuous feedback.
- Built RESTful backend services using FastAPI and PostgreSQL, supporting authentication, role-based access, file uploads, and core academic workflows.
- Implemented JWT-based authentication, modular API design, and backend monitoring to ensure software reliability.
- Integrated an AI-assisted chatbot using Python and external AI APIs to support learner queries and improve content accessibility.
- Tech Stack: Python, FastAPI, PostgreSQL, JavaScript, Vue.js, Node.js, Tailwind CSS, REST APIs, JWT, OAuth

### Quantified Self Tracking System

- Designed and developed a backend-centric personal platform with RESTful services for data ingestion and reporting.
- Built backend services using Python (Flask), SQLAlchemy, and Redis with modular architecture and optimized data access.
- Applied asynchronous background processing using Celery for report generation and scheduled tasks.
- Automated report delivery using WeasyPrint and integrated email notifications via Flask-Mail and SendGrid.
- Improved system performance by 25% through caching, scheduled jobs, and token-based authentication.
- Tech Stack: Python, Flask, SQLAlchemy, Redis, Celery, SQLite, REST APIs, JavaScript, Vue

### Smart Contact Manager System

- Created a secure full-stack contact management MVC application with backend-driven workflows.
- Designed and enforced RESTful APIs using Spring Boot and PostgreSQL for user and contact management.
- Applied authentication and role-based authorization using Spring Security and OAuth.
- Integrated Cloudinary for cloud-based image storage and retrieval of user profile data.
- Tech Stack: Java, Spring Boot, Spring Security, OAuth, PostgreSQL, Cloudinary, REST APIs

## CERTIFICATIONS

- Diploma in Programming and Data Science – IIT Madras
- HTML, CSS, JavaScript for Web Developers – Coursera
- Linux Commands and Shell Scripting – IBM