

PRAMOD KUMAR

Lead Engineer

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PROFESSIONAL SUMMARY:

Results-driven **Lead Engineer** with **7.5+ years of experience** in designing and implementing **scalable web applications and ERP systems** using **Python (Django, FastAPI), Django Rest Framework (DRF), and React.js**. Skilled in **cloud deployments on AWS (EC2, RDS, S3), CI/CD automation using Jenkins and Docker, and microservices architecture**. Expertise in **Role-Based Access Control (RBAC), database performance tuning, and RESTful API development**. Adept at leading **cross-functional teams** and delivering **enterprise-grade solutions** with **optimized workflows and security best practices**.

CORE COMPETENCIES:

PROGRAMMING & FRAMEWORKS

- Python (Django, FastAPI, Flask)
- JavaScript (React.js, TypeScript, Node.js)
- Django Rest Framework (DRF)

SECURITY & AUTHENTICATION

- JWT, OAuth2, Role-Based Access Control (RBAC)
- Secure REST API Development

TOOLS & PLATFORMS

- Git, GitHub, Jira, Slack
- Linux, Ubuntu

CLOUD & DEVOPS

- AWS (EC2, RDS, S3, Lambda)
- Docker, Kubernetes, Terraform
- CI/CD Pipelines (Jenkins, GitHub Actions)
- NGINX, Unicorn

API DEVELOPMENT & INTEGRATIONS

- RESTful APIs, Third-party API Integration
- Payment Gateway Integration (PayPal, Stripe, XOXO)

DATABASES & OPTIMIZATION

- MySQL, PostgreSQL, SQLite
- Database Indexing & Query Optimization & Performance Tuning & API Caching

WORKS EXPERIENCE :

Team Lead Python Developer | Novus Insights | Gurugram

July 2024 – Present

- **Led development** of a robust **ERP system** for **Sales, Operations, and Finance**, improving efficiency by **35%**.
- **Implemented JWT-based authentication** and **Role-Based Access Control (RBAC)** to **secure sensitive data**.
- **Optimized API performance** for **large datasets (1000+ records)** by implementing **query optimizations** and **database indexing**, reducing API response times by **60%**.
- **Spearheaded CI/CD pipelines** using **Jenkins, Docker**, reducing deployment time by **40%**.
- **Deployed and managed** **AWS EC2, RDS, NGINX, and Unicorn** for **high-availability production environments**.
- **Developed and maintained RESTful APIs** for seamless integration with React applications.
- **Led a team of 5 engineers**, ensuring timely delivery of new features and bug fixes.

Senior Python Developer | Novus Insights | Gurugram

Dec 4-2023– July 2024

- **Engineered a responsive web application** to streamline **interview scheduling** for **market research studies**.
- **Integrated PayPal API** for **secure payment processing**, enhancing transaction efficiency.
- **Implemented server-side validation and data pagination** to improve application performance.

Python Developer | SequelOne Pvt Ltd | Gurugram

Apr 14-2021 – Dec-4-2023

- **Developed a comprehensive Inventory Management System** to streamline **stock tracking, product cataloging, and supplier-customer management**.
- **Architect-ed the database schema** using **PostgreSQL**, optimizing **query performance and data normalization**.
- **Automated low-stock alerts and reporting**, reducing manual effort by **40%**.
- **Enhanced API performance** through **query optimization, server-side pagination, and caching strategies**.

Associate Engineer | Cyient Ltd | Noida

May 2017– To Apr 2021

- **Developed and optimized web scraping scripts** for extracting **geospatial and cartographic data** using **BeautifulSoup, Selenium**.
- **Implemented data validation techniques** to enhance **data accuracy** for **Cartographia projects**.
- **Project: RSSI-Based Node Localization for Underwater Sensor Networks (UWSNs)** – **Developed a Python-based solution** for **underwater sensor localization**, overcoming traditional **GPS limitations**.

PROJECT HIGHLIGHTS

-ERP System for Enterprise Workflow Automation

- **Tech Stack:** Python (Django), React.js, PostgreSQL, AWS, Docker, Jenkins
- **Key Achievements:** Reduced manual workload by 35%, improved workflow efficiency, and ensured secure data access via RBAC.

-Inventory Management System

- **Tech Stack:** Django, PostgreSQL, Redis, Celery
- **Key Achievements:** Automated low-stock alerts, optimized query performance, and improved scalability for handling large inventories.

-Market Research Interview Scheduling App

- **Tech Stack:** Django Rest Framework (DRF), React.js, PayPal API
- **Key Achievements:** Enhanced payment processing speed, improved user experience, and streamlined scheduling workflow.

EDUCATION:-

1. MCA | GNIOT | Greater Noida
2. BCA | CCS University | Meerut

Apr-14-2013 To July -4-2015
June 2009 To Apr 2012