

# Sanket Kamta

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## Skills

**Programming Languages:** Python, JavaScript, Java

**Technologies & Tools:** AWS (Lambda, EC2, S3, SQS), Docker, Elasticsearch, Redis

**Frameworks:** Django, FastAPI, NodeJS

**Databases:** MongoDB, PostgreSQL, SQLite

**Concepts:** Rest API, Cloud Computing, Object Oriented Programming, Functional Programming, Agile

## Work Experience

**Perfios, Remote**

Sept 2022 - Present

**Senior Member Technical Team**

- Spearheaded a cost-saving initiative by minimizing network calls, reducing lambda runtime costs by **25%** through **Redis-based caching**, improving system performance, and decreasing database load.
- Optimized high-traffic APIs, boosting stability and handling **60%** more traffic with minimized downtime.
- Built a vendor billing system for better control and insights into our vendor APIs, saving up to **50 hours** of developer time per month. Daily and weekly statistics help manage unexpected bill spikes, reducing overall expenses by **15%**.
- Developed a PyPI package for proxy management, reducing API blocking by **30%** and vendor proxy reliance by **20%**.
- Led the successful migration of approximately **250** APIs to a secure Virtual Private Cloud (**VPC**) environment and integrated a secrets manager, bolstering **product security**.
- Developed and deployed 12 APIs utilizing **web-scraping** and **data-parsing** techniques, effectively reducing dependency on vendor APIs and enhancing in-house data autonomy.
- **Mentored** new team members, conducting over **200 code reviews** to ensure code quality and consistency.
- **Technologies:** AWS (S3, Lambda, SQS), MongoDB, Python, Serverless, Java, JavaScript, BeautifulSoup

**GramFactory, Gurgaon**

March 2022 – August 2022

**Software Engineer**

- Optimized modular search functionality for superstore products, leveraging **Elasticsearch** enhancements to improve **end-user search experience** and boost traffic by **20%**.
- Constructed backend **APIs** to facilitate **Wishlist** additions, while integrating diverse communication channels like SMS and email; the initiative streamlined notifications and improved user satisfaction, reaching **15,000** active app users.
- Improved Quality Control processes to enhance product returns, raising customer satisfaction.
- **Technologies:** Django, Python, Django Rest Framework, PostgreSQL, JSON, Postman

**Avis E Solution (Contaque), Noida**

July 2020 – March 2022

**Associate Software Developer**

- Built the company's **website** from scratch, incorporating a **chatbot** for better customer experience, and lead collection forms, increasing product sales by **5%**.
- **Led a team of 3** to design a ticketing system for client issue management, ensuring efficient service delivery.
- Engineered a CRM system for call detail logging and encrypted voicemail transmission.
- Revamped a REST API solution for lead management, incorporating **AES** encryption for secure uploads.
- **Technologies:** Django, Python, REST, JavaScript, Unicorn, Nginx, HTML, CSS, MQTT, Pytorch, Pandas, NLP

## Education

**National Institute of Technology, Kurukshetra**

2018-2020

**M.Tech in Computer Engineering**

CGPA:8.03/10

- Wrote a journal that aims to explore the different graph-based collaborative filtering approaches introduced by various researchers to improve the quality of recommendations. (Published by Publishing India)
- Implemented the clustering-based graph collaborative filtering approach using the Online Retail Store data set.