

Raj Kapadia

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Professional Summary

Experienced **Backend Developer** with **6+ years** of expertise in **API development, scalable architectures, and cloud-based solutions**. Proficient in **Python (Flask), Node.js (Express), and database design (PostgreSQL, MongoDB, Elasticsearch)**. Strong background in **building RESTful APIs, optimizing system performance, and deploying microservices on AWS & GCP**. Passionate about backend engineering, system scalability, and high-performance computing.

Skills

Backend Development

- Python (Flask, FastAPI), Node.js (Express.js)
- RESTful APIs, GraphQL, WebSockets

Database Management

- PostgreSQL, MySQL, MongoDB, Redis, Elasticsearch

Cloud & DevOps

- AWS (Lambda, S3, EC2, DynamoDB), GCP (Cloud Functions, Firebase, Compute Engine)
- Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins)

Security & Performance Optimization

- OAuth, JWT, API Rate Limiting, Load Balancing
- Caching Strategies (Redis, Memcached), Async Processing

Work Experience

Let's Enkindle | *Backend Developer & Team Lead*

📅 Sep 2023 - Present

- Designed and developed RESTful APIs for AI-powered SaaS platforms using **Python (Flask) & Node.js (Express.js)**, ensuring **low-latency, scalable backend services**.
- Implemented **microservices architecture**, improving system modularity and API performance by **50%**.
- Developed a **scalable backend system** for a WhatsApp-integrated chatbot, processing **X+ concurrent API requests with latency under Y ms**.
- Optimized database performance (PostgreSQL, MongoDB), reducing query response times by **50%** using indexing and query optimization.
- Integrated **third-party APIs** (Google Dialogflow, Stripe, Twilio) for enhanced product functionality.

The Other Fruit/Nes Tech Ltd | *Backend Developer*

📅 Jan 2022 - Aug 2023

- Built a **high-performance image similarity search engine** using **Flask, Elasticsearch, and OpenCV**, handling **millions of image queries** efficiently.
- Developed and deployed **scalable REST APIs** for **voice authentication and biometric security systems**, ensuring **99.9% uptime**.
- Optimized Flask APIs to handle **100K+ requests per minute**, reducing latency by **65%** using **Redis caching & async processing**.
- Implemented **OAuth 2.0 authentication and JWT-based security measures** for secure API access.

Freelance / Fiverr / Upwork | *Backend & API Developer*

📅 2018 - Present

- Developed **100+ backend APIs** for chatbots, AI agents, and automation services using **Flask & Express.js**.
- Integrated **Stripe & PayPal payment gateways** into web applications, ensuring secure transactions.
- Deployed and maintained **serverless backend solutions** using **AWS Lambda & GCP Cloud Functions**.

Education

🎓 **Master of Engineering (Power Systems)**
Sankalchand Patel College of Engineering, Gujarat (2011-2013)
CPI: 8.3

🎓 **Bachelor of Engineering (Electrical Engineering)**
Global Institute of Technology, Jaipur (2006-2009)
Percentage: 67%

Projects

- **Scalable WhatsApp Chatbot API** – Built a real-time NLP chatbot API using **Flask, PostgreSQL, and Redis**, handling **100K+ messages daily**.
 - **AI-Powered Image Search API** – Designed a **Flask & Elasticsearch**-based system to retrieve similar images within **milliseconds**.
 - **OAuth-Based Authentication System** – Implemented a **JWT-secured API** for a fintech client, improving user security.
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Keywords for ATS Optimization

Backend Developer, API Development, Python, Flask, Node.js, Express.js, RESTful APIs, PostgreSQL, MongoDB, Elasticsearch, AWS, GCP, Docker, Kubernetes, Microservices