

Harsh Padhya

Senior Software Engineer

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PROFESSIONAL SUMMARY

Seasoned software engineer with 5+ years of experience in Python, AWS, web development, and database management. Proven track record in delivering scalable, high-performance solutions, optimizing microservices, and driving impactful product outcomes.

TECHNICAL SKILLS

Programming Languages: Python, Java | **Frameworks:** FastAPI, Flask, React | **Frontend:** React | **Backend:** FastAPI, Flask | **Tools:** Docker, AWS, Github Actions | **Databases:** PostgreSQL, MySQL, DynamoDB | | **LLM Integration:** RAG, Prompt Engineering, Vector Databases | **Others:** Algorithms, Data Structures, Microservices

PROFESSIONAL EXPERIENCE (5.8+ Years)

Senior Software Engineer | Oct 2024 - Present

Nagarro | Bangalore

- Managed high-scale microservices handling multi-billion payment API requests monthly, ensuring **99.99% uptime and reliability**.
- Led migration** of critical payment service to FastAPI from scratch, reducing response time by ~35% and improving system performance.
- Oversaw deployment lifecycle and **optimized infrastructure on AWS**, reducing latency.
- Maintained and enhanced multiple **microservices** environments, **improving scalability** and resource utilization.
- Integrated LLM-powered solutions for internal tools and customer-facing workflows, improving efficiency and reducing manual intervention.

Senior Software Engineer | Jul 2021 - Sep 2024

Axtria | Pune

- Spearheaded development of Incentive and Compensation (IC) and Segmentation and Targeting (S&T) modules, reducing processing time for complex data calculations by **30%**.
- Designed and implemented **RESTful APIs** using **FastAPI and Flask**, improving user satisfaction by **20%** through Auto-dist and Rollup features.
- Collaborated with cross-functional teams to **deploy and maintain scalable solutions**, ensuring seamless integration with existing enterprise systems

Software Engineer | Feb 2018 - May 2019

Infosys | Pune

- Built robust web applications with **Django, Flask, and React**, enhancing user experience and accelerating feature delivery.
- Implemented CI/CD pipelines and automated testing frameworks, improving release efficiency and reducing production issues by 30%

PROJECTS

Sentimental Analysis of Movie Reviews | IIIT Bangalore | Mar 2020 - May 2020

- Automated sentiment classification for thousands of raw comments, reducing manual effort by ~120+ hours.

Query Forum using DevOps | IIIT Bangalore | Jan 2020 - Apr 2020

- Automated the entire Software Development Life Cycle (SDLC) using DevOps methodologies, reducing deployment time by ~40%.

EDUCATION

M.Tech - Computer Science | Jun 2021

International Institute of Information Technology, Bangalore | *Bangalore, Karnataka*

B.Tech - Information Technology | Jun 2018

Dharmsinh Desai Institute of Technology, Nadiad | *Nadiad, Gujarat*

ACHIEVEMENTS

- Secured 98.84 Percentile in GATE 2019
- Represented IIITB in Smart India Hackathon 2020 organized by AICTE
- Achieved 91% in Infosys Training, ranking among the top 40 students of the batch