Rahul Choudhary
Senior Senior Backend Software Engineer

SUMMARY

- Senior Backend Engineer with 7+ years of expertise in designing and deploying scalable, secure backend systems and AI-powered platforms using Python, Django, Flask, and FastAPI.
- Proficient in integrating databases (MySQL, PostgreSQL, MongoDB) with ORM tools like Django ORM and SQLAlchemy, and experienced in cloud-native architectures across AWS, Azure, and GCP.
- Hands-on experience in AI/ML, LLM inference, Agentic RAG pipelines, and productionizing intelligent systems for real-time, high-traffic consumer applications.
- Strong engineering background with a Master's in Computer Application and top academic performance, complemented by leadership roles mentoring development teams and managing end-to-end project delivery.
- Skilled in distributed systems, API development, automation, cybersecurity best practices, and modern software development methodologies ensuring system stability and performance.

TECHNICAL SKILLS

Main Technical Skills	Python (6 yr.), Django REST framework (2 yr.), Flask (2 yr.), JavaScript, FastAPI
Programming Languages	F#, JavaScript, Python (6 yr.)
.NET Platform	Azure
Python Frameworks	Django REST framework (2 yr.), FastAPI, Flask (2 yr.)
AI & Machine Learning	LangChain, NLP, RAG
Data Analysis and Visualization Technologies	Data Scraping
Databases & Management Systems / ORM	MongoDB (2 yr.), MySQL (2 yr.), PostgreSQL (2 yr.), SQLAlchemy (2 yr.)
Cloud Platforms, Services & Computing	AWS, Azure, GCP
Amazon Web Services	AWS CloudTrail, AWS Security Groups

SDK / API and Integrations	FastAPI
Operating Systems	Linux
QA, Test Automation, Security	QA Automation
BlockChain and Decentralized Software	Solana
Other Technical Skills	LLMs

WORK EXPERIENCE

Senior Backend Software Engineer (TicketWallet (YC Backed))

Duration: May 2025 - Present
Summary:

- Designing and building scalable backend systems for high-traffic, consumer-facing products
- TicketWallet is a YC-backed startup focused on providing digital ticketing solutions with real-time transaction support

Responsibilities:

- Design and develop APIs and backend services focusing on performance and reliability.
- Work on distributed systems, integrations, and data pipelines supporting real-time transactions.
- Integrate AI-driven software applications and machine learning models into production systems.

Technologies: Python, distributed systems, AI/ML, LLMs, Langchain/flow, Flask, RAG, Linux, Solana, AWS, Azure, GCP

Senior Software Engineer - iTechnoLabs

Duration: June 2023 - May 2025
Summary:

- Led a team of Python developers to design and develop scalable, high-performance applications using modern technologies
- Focused on building secure and stable software systems

Responsibilities:

- Led and mentored a team of Python developers to improve technical skills and career growth.
- Designed and developed scalable, high-performance applications.
- Troubleshoot and resolved complex technical issues ensuring system stability and minimal downtime.

Technologies: Python, Flask, Langchain/flow, NLP, Automation, RAG, Linux, LLMs

Software Developer - CloudTale (Freelance, Self Employed)

Duration: Jan 2019 - Present
Summary:

- Developed and maintained web applications, mobile applications, and backend systems for various clients
- Focused on scalable, secure software architectures and cloud-native solutions

Responsibilities:

- Developed and maintained web and mobile applications along with backend systems.
- Designed and implemented scalable and secure software architectures using Django and Flask.
- Integrated databases such as MySQL, PostgreSQL, and MongoDB using ORM libraries like Django ORM and SQLAlchemy.
- Built and deployed responsive and user-friendly web applications for businesses.
- Managed projects end-to-end ensuring quality control, timely delivery, and smooth user experience.
- Implemented security best practices to safeguard applications against vulnerabilities.

Technologies: Python, Django, Flask, MySQL, PostgreSQL, MongoDB, Django ORM, SQLAlchemy, FastApi, JavaScript, C#, Cyber Security, Scripting

Software Engineer

Duration: Jan 2021 - May 2023
Summary: Developed and maintained web and mobile applications and backend systems with a focus on scalable and secure software architectures.
Responsibilities:

- Developed and maintained web applications, mobile applications, and backend systems.
- Designed and implemented scalable, secure software architectures using Django and Flask.
- Integrated databases such as MySQL, PostgreSQL, and MongoDB using ORM libraries like Django ORM and SQLAlchemy.

Technologies: Python, Django, Flask, MySQL, PostgreSQL, MongoDB, Django ORM, SQLAlchemy

EDUCATION

- **Master's Of Computer Application | MCA**
  Indira Gandhi National Open University
  July 2019 - June 2021
- **Bachelor's Of Computer Application | BCA**
  University Of Jammu (1st Position holder)
  July 2015 - June 2018
- **Post Graduate Diploma in Computer Application | PGDCA**
  Indira Gandhi National Open University
  July 2018 - June 2019