

Sarthak Vashisth

Senior Python Backend Engineer | Cloud-Native Systems | Kubernetes & DevOps

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PROFESSIONAL SUMMARY

Senior Backend Engineer with 11+ years of experience building scalable backend systems, cloud-native applications, workflow automation platforms, and distributed systems. Strong hands-on experience with Python, Django, Flask, Docker, Kubernetes, AWS, GCP, Apache Airflow, CI/CD, and production observability. Currently focused on AI-driven automation and LLM-based workflows.

CORE SKILLS

Languages & Backend: Python, Shell Scripting, Java, JavaScript, Django, Flask, FastAPI, Django REST Framework, Microservices, REST APIs

Cloud & DevOps: AWS (S3, RDS, Route 53, EKS, IAM, API Gateway, AWS Lambda, EC2, CloudFront, EBS), GCP (Compute Engine, App Engine, GKE, Datastore, IAM, Cloud SQL, Firestore), Docker, Kubernetes, Jenkins, CI/CD, Linux, Rancher, ArgoCD, Kargo, Harness

Data & Automation: PostgreSQL, Microsoft SQL Server, MongoDB, Redis, Elasticsearch, Apache Airflow, Celery, n8n

Observability: Grafana, Prometheus, Loki, Splunk, ELK Stack

AI & LLM: Hugging Face, Ollama, LM Studio, Prompt Engineering, Vector Databases, Retrieval-Augmented Generation (RAG)

PROFESSIONAL EXPERIENCE

GlobalLogic | Team Lead / Senior Backend Engineer | Noida, India | Sep 2020 - Present

- Worked across 3 enterprise client engagements: Google, ConnectWise, and Anaplan, contributing to backend engineering, cloud infrastructure, workflow automation, and platform modernization.
- Designed and developed Python-based backend modules for Google's content translation systems using Python, Flask, GCP App Engine, GCP Datastore, GCP Compute Engine, and AngularJS.
- Built Flask APIs and system integrations for ConnectWise, enabling communication between internal and external platforms.
- Enhanced and maintained Anaplan's Data/AI platform using Python, Django, FastAPI, Apache Airflow, Docker, Kubernetes, AWS, and Linux.
- Migrated infrastructure from AWS EKS to Rancher-managed Kubernetes clusters, reducing project infrastructure expenses by 10-12%.
- Supported CI/CD migration from Harness to ArgoCD/Kargo, improving deployment consistency and GitOps-based release management.
- Ported dashboards and alerts from Splunk to Grafana, improving observability while reducing monitoring-tooling dependency.
- Led technical design, code reviews, production debugging, and mentoring while remaining hands-on with backend and platform development.

Credit Suisse | Software Development Engineer / Data Engineer | Pune, India | Oct 2019 - Sep 2020

- Worked in the lending vertical, automating existing finance processes using Python, NumPy, Pandas, and Matplotlib.
- Improved finance team productivity by reducing process execution time by 10-20% through Python-based automation.
- Developed data analysis and visualization utilities using Pandas and Matplotlib to support business reporting and decision-making.

Exponentia Datalabs | Senior Backend Engineer | Mumbai, India | May 2018 - Oct 2019

- Led backend development for a cash forecasting and ATM cash management platform built from scratch for a large ATM operations client.
- Built backend services using Python, Django, Django REST Framework, Docker, AWS EC2, Nginx, Apache Spark, Celery, and Microsoft SQL Server to automate cash forecasting workflows.
- Replaced error-prone Excel-based cash management processes with a backend-driven system, improving operational efficiency and reducing manual forecasting/process errors.

Intellect Design Arena | Consultant | Mumbai, India | Jun 2015 - May 2018

- Developed enterprise banking applications for supply chain finance and liquidity systems using Java and Elasticsearch.
- Built and maintained backend components for large-scale financial workflows.

PERSONAL PROJECTS

AI, LLM and Automation Projects | Jan 2024 - Present

- Developed an AI-powered email automation system using OpenAI API, AWS API Gateway, AWS Lambda, and n8n to generate personalized daily emails from database records and user chat context.
- Implemented automated email workflows with unsubscribe handling, scheduled execution, API-based triggers, and database-driven personalization.
- Built LLM-based automation workflows using Hugging Face, Ollama, and LM Studio for text processing, task automation, and local AI experimentation.

Technical Content Creator | YouTube

- Create technical content on YouTube focused on software engineering, backend development, Linux, DevOps, and developer tooling.

EDUCATION

National Institute of Technology, Kurukshetra

Master of Computer Applications | Jul 2012 – May 2015