

# KAUSHAL GOSWAMI

## Software Engineer

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### EXPERIENCE

#### Software Engineer / DevOps Engineer

GoDeskless India Private Limited 04/2024 - Present Pune, India

A company that builds AI-powered cloud software to streamline and optimize field service management for mobile workforces.

- Developed and Deployed FastAPI backend from scratch using Tortoise ORM to facilitate rapid data synchronization with third-party CRMs.
- Upgraded a legacy Django application from Django 2 to Django 5, refactoring deprecated code and resolving compatibility issues across outdated dependencies.
- Optimized core APIs, achieving up to a 90% performance improvement, and developed a RAG-based application (ISRA) using LangChain and OpenAI, leveraging PGVector for efficient vector data retrieval.
- Contributed to DevOps initiatives, including load balancer configuration, Lambda, S3 optimizations, EC2 management, and cost savings.
- Developed and implemented Jenkins pipelines and Git Webhooks for various projects.
- Developed automation scripts for AWS infrastructure, including Lambda-based EC2 start/stop, automated AMI backups, credential rotation for RDS and third-party services like Twilio, and cleanup routines to maintain server efficiency and optimal performance.

#### Associate Software Engineer

GoDeskless India Private Limited 04/2023 - 04/2024 Pune, India

A company focused on providing innovative business solutions

- Worked on the Customer Experience Reimagine project for Tata Motors, currently live on cars.tatamotors.com and ev.tatamotors.com, contributing to scalable and user-focused digital customer journeys.
- Developed data extraction, transformation, and manipulation scripts to process large customer datasets, including asynchronous ETL workflows that improved overall system efficiency.
- Enhanced system performance by integrating Fast API, improving data processing and response times
- Implemented Kong gateway and custom plugins for OAuth authentication, ensuring robust security measures
- Conducted code reviews, mentored junior developers, and led proof-of-concept initiatives through full-cycle development from inception to production, improving overall code quality and delivery standards.

#### Junior Software Engineer

Ampius Technologies 04/2022 - 04/2023 Lucknow, India

A technology company focusing on customized software development

- Built Carscape end-to-end (backend and frontend), an AI-powered pre-inspection tool that uses computer vision to assess vehicle damage and estimate value.
- Built Prevect end-to-end (backend and frontend), an AI-driven EHS solution leveraging computer vision, NLP, and predictive analytics to monitor and improve workplace safety.

#### Software Engineer Intern

Humming Sparrow Digital Solution 03/2021 - 04/2022 Delhi, India

Digital solutions provider

- Made a news portal web app in Hindi and English with a single backend (Organiser and Panchjanya)
- Built a backend for a mobile app that helps manage students, including things like their schedules, classroom notes, and teacher information (Suvidya)

### EDUCATION

#### Masters in Computer Application (AI & ML)

Chandigarh University

08/2021 - 05/2023 Chandigarh, India

#### Bachelors in Computer Application

Rabindranath Tagore University

08/2018 - 05/2021 Bhopal, India

### SUMMARY

I am a passionate, detail-oriented backend developer with a strong foundation in Python and hands-on experience building scalable web and desktop applications. I excel at solving complex problems and thrive in collaborative, agile environments. I have solid knowledge of cloud infrastructure, deployment processes, and application deployment workflows, and I am committed to delivering high-quality, reliable software solutions. I aim to leverage my technical expertise and creativity in dynamic software development roles.

### KEY ACHIEVEMENTS

#### 🛠️ DevOps Ownership & Automation

Solely owned and managed the company's **DevOps infrastructure**, implementing **CI/CD pipelines, cloud automation, monitoring, and cost optimization** across **AWS services**.

#### 🏆 Cloud & Data Certifications

Earned Microsoft Azure **AZ-900** and **DP-900** certifications, along with an **NPTEL (Government of India) certification in Data Analytics with Python**, validating strong cloud and data fundamentals.

#### 📦 Enterprise Project Delivery

Worked on large-scale, production systems for **Tata Motors**, collaborating with **TCS, TTL**, and **Oracle** teams to deliver scalable, customer-facing platforms.

#### 🔧 End-to-End Product Engineering

Delivered multiple **production-grade applications** independently, including **AI-powered platforms and microservice-based systems**, handling **backend, frontend, and infrastructure** from design to **deployment**.

### SKILLS

Python	Django	FastAPI	AWS
Google Cloud (GCP)		Microsoft Azure	
Couchbase	Redis	Cassandra	
Apache Solr		Elasticsearch	
RabbitMQ	Celery	Flower	
Apache Kafka		Docker	NGINX
Jenkins	Linux	GitHub	Grafana
Prometheus		Promtail	LangChain
OpenAI	Ollama	HTML	CSS
JavaScript	jQuery	JIRA	Twilio
Freshworks	Vonage	Zendesk	