

Gautam Kumar

Senior Python Developer



Personal Info

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GitHub
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<https://gautamtalxtech.com>

Skills

- Python
- Django
- Django Rest Framework
- FastAPI
- Flask
- MySQL
- PostgreSQL
- MongoDB
- HTML/CSS
- Bootstrap
- JavaScript
- jQuery
- Ajax

Senior Python Developer with over 8 years of experience building scalable, high-performance applications using Python, Django, FastAPI, and AWS. Driven by impact and efficiency, with a strong grasp of cloud-native design, team leadership, and seamless cloud migrations. Experienced in containerization, CI/CD automation, and crafting robust, maintainable backend systems. Looking for the next exciting opportunity to create impactful solutions.

Professional Experience

2024-01
- present

Senior Associate

Cognizant Technology Solutions Pvt Ltd, Pune

- Developed cloud-native applications using Python and AWS serverless architecture.
- Automated AWS infrastructure management by using Terraform.
- Used GitHub Actions to create CI/CD pipeline for the application development & deployment.
- Led sprint planning, backlog grooming, and project delivery initiatives.
- Mentored junior engineers on code quality, cloud deployment, and best practices.

2021-09
- 2023-12

Technical Lead

HCL TECHNOLOGIES LIMITED, Bengaluru

- Designed backend modules for enterprise-grade networking applications using Python, FastAPI, Flask, and Elasticsearch.
- Led DevOps efforts to containerize services using Docker and deploy on AWS ECS.
- Used GitHub Actions to create CI/CD pipeline for the application development & deployment.
- Mentored 5+ junior developers, enhancing team coding standards, cloud deployment, and best practices.

2019-11
- 2021-08

Senior Software Engineer

CHETU INDIA PRIVATE LIMITED, Noida

- Developed full-stack web applications using Django, Django REST Framework, MySQL, PostgreSQL, Bootstrap, JavaScript, jQuery, and Ajax.
- Developed desktop machine learning applications for pose estimation and speech analysis.
- Designed multi-tenant SaaS architecture with isolated databases ensuring data security.

2016-09
- 2019-10

Python Developer

AP WEB WORLD, Noida

- Participated in the complete SDLC, including requirements gathering, design, development, and deployment.
- Built scalable web-based applications, transforming client specifications into working solutions.

Education

2009-08
- 2013-07

Computer Science and Engineering, B.Tech

Punjab Technical University, Jalandhar, Punjab

Degree in Engineering

JSON
Git/GitHub
SVN
AWS
Serverless architecture
Docker
Agile methodologies
Web Scrapping
Linux
JIRA software
GitHub Copilot
Microservices
GitHub Actions
CI/CD
Linux
Teamwork and Collaboration
Accountability & Ownership
Critical Thinking
Leadership & Mentorship
Adaptability
Problem-Solving
Organization and Time Management
Languages
English★★★★★
Hindi★★★★★
Hobby/Interest
<ul style="list-style-type: none">Exploring technologyPlaying with codesListening to musicReading booksTravelling

Technical Projects

2024-08 - present	Senior Software Engineer <i>Application Migration to AWS (Cognizant)</i> <ul style="list-style-type: none">Migrated a US insurance application from Automation Anywhere to AWS Lambda.Implemented optimized Python scripts and leveraged Terraform for infrastructure automation.Used GitHub Actions to create CI/CD pipeline for the application development & deployment.Technologies: Python, MongoDB, PostgreSQL, AWS Lambda, AWS S3, AWS EC2, AWS Cloudwatch, AWS Event Bridge, AWS Step Function, AWS SQS, AWS Parameter Store, GitHub, Terraform, Atlassian Jira, Atlassian Confluence.
2024-01 - 2024-07	Senior Software Engineer <i>Report Generation for Business Analysis (Cognizant)</i> <ul style="list-style-type: none">Built a social media sentiment reporting tool for healthcare insights from Reddit, X, and YouTube.Automated data retrieval, preprocessing, and business-critical report generation workflows.Developed scalable microservices using FastAPI, Docker, deployed on AWS ECS.Technologies: Python, FastAPI, Pandas, AWS ECS, AWS S3, AWS EC2, Docker, Atlassian Jira, Atlassian Confluence.
2022-06 - 2023-12	Technical Lead <i>Web Crawler for Data Modeling (HCL)</i> <ul style="list-style-type: none">Designed and implemented a robust web scraping engine using BeautifulSoup and Python.Built a cognitive search platform using Elasticsearch and Jupyter for structured insights.Containerized the application using Docker.Used GitHub Actions to create CI/CD pipeline for the application development & deployment.Technologies: Python, FastAPI, Elasticsearch, BeautifulSoup, Docker, GitLab, Atlassian Jira.
2020-09 - 2021-07	Python Developer <i>Multi-Tenant Pharmacy System (Chetu)</i> <ul style="list-style-type: none">Built a SaaS platform enabling pharmacy operations, patient management, and prescription monitoring.Designed secure multi-tenant architecture with isolated databases per client.Integrate Worldpay Payment Gateway and the Twillio SMS APIs for the seamless payment and mobile messaging process.Technologies: Python, Django, PostgreSQL, Twillio SDK, Bootstrap, JavaScript, Ajax, AWS, Docker, Kubernetes, Git.
2020-03 - 2020-08	Python Developer <i>Hire and Retain Your Workforce (Chetu)</i> <ul style="list-style-type: none">Developed a fitness assessment application to optimize workforce health for a major healthcare provider.Designed databases, implemented business logic, and deployed on AWS with load balancers configured for auto scaling.

- Technologies: Python, Django, Django Rest Framework (DRF), HTML, CSS, JavaScript, Ajax, MySQL, AWS, GIT, SVN and Atlassian Jira.

2019-12
- 2020-01

Python Developer

SaaS Application for Legal Firm (Chetu)

- Built a SaaS web application for lead generation and client engagement for a law firm, integrating Twilio APIs for calls, SMS, and call recording.
- Deployed the application to AWS (EC2, S3, RDS) and ensured scalability with auto scaling groups and load balancers.
- Collaborated with clients to gather requirements and deliver solutions using Python (Django, Django CMS) and PostgreSQL.
- Integrated Twilio APIs for SMS and Calls for the seamless mobile communication integration with the application
- Technologies: Python, Django, Django CMS, CSS, JavaScript, Ajax, AWS, PostgreSQL, Twilio APIs, GIT, SVN and Atlassian Jira.