

Abhishake Gupta

Senior Software Developer (12+ Years Experience)

abhishakegupta91@gmail.com | <https://abhishakegupta91.github.io>

Professional Summary

Highly experienced Senior Software Developer with over 12 years of expertise in the complete Software Development Life Cycle (SDLC), specializing in building scalable backend systems, microservices, and robust REST APIs. Proficient in **Python (Advanced)**, **Flask**, **FastAPI** with hands-on experience in modern architectures, containerization (Docker/Kubernetes), and NoSQL/SQL databases.

Recently utilized advanced logic to orchestrate multi-provider delivery networks and re-engineer core business logic for scale at **ItsaCheckmate**. Proven ability to optimize performance, implement TDD/BDD best practices, and collaborate across engineering teams to deliver impactful core product features.

Technical Expertise

- **Languages:** Python (Advanced), JavaScript (Node.js/Express).
- **Frameworks:** FastAPI, Flask, Django, React.js
- **Async & Messaging:** RabbitMQ, Celery, Kafka.
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, Sybase, Oracle.
- **DevOps & Tools:** Docker, Kubernetes, Git, Jenkins, Autosys.
- **Monitoring & Logging:** ELK Stack (Elasticsearch, Logstash, Kibana), Splunk, NewRelic, Zabbix, Datadog.

Professional Experience

Senior Python Developer | ItsaCheckmate

July 2023 – Present

Spearheaded backend stability initiatives, orchestrated multi-provider delivery networks, and re-engineered core business logic for high-volume scale.

- **Multi-Provider Delivery Orchestration:** Led the integration of multiple delivery fleets (DoorDash, Uber Direct, Relay), creating a unified abstraction layer to handle quoting, dispatching, and tracking.
- **Menu System Migration:** Played a key role in migrating menu data from legacy databases to a new architecture (CMUI), enabling a **Redis-based caching layer** that reduced menu load times from 40 minutes to seconds.

- **Critical Failover Logic:** Designed and implemented a real-time failover mechanism; if a primary provider fails to quote or assign a driver, the system automatically reroutes to a backup provider, drastically reducing order cancellations.
- **Webhook Architecture:** Built robust webhook handlers to consume real-time events (DASHER_CONFIRMED, PICKED_UP) to trigger automated customer notifications and maintain a unified internal state machine.
- **Performance Optimization (Celery):** Re-engineered long-running background tasks (OneSignal marketing syncs) from monolithic execution to a chunk-based, sequential architecture using connection pooling. This respected API concurrency limits and prevented DB timeouts.
- **Financial Integrity:** Implemented logic to void authorized tenders immediately upon post-authorization errors, preventing double-charging loopholes.
- **Third-Party Loyalty Integrations:** Managed integrations for Sparkfly, Punchh, and Como. Optimized heavy SQL reporting views by refactoring nested views into performant structures.

Senior Software Engineer | Bluetick Consultants

Aug 2022 – Jun 2023

- **Golang Microservices:** Built a "Company Management" microservice using **Golang and Fiber** to perform CRUD operations on complex tree-like folder structures for test case management.
- **Legacy Refactoring:** Analyzed and created design documentation for "Megatron" (E-Commerce Cart System), a legacy Python-Flask RESTful API project.
- **Team Leadership:** Conducted Knowledge Transfer (KT) sessions for team members on architectural designs, feature enhancements, and bug fixing.
- **API Testing:** Implemented automated Postman collections to fine-tune and test REST APIs.

Senior Software Developer III | Rackspace Technology

Nov 2019 – Aug 2022

- **Project StorageCenter:** Enhanced a Flask-based application for hardware data collection (Dell, EMC, PureStorage).
- **Performance Tuning:** Reduced API latency by **60%** by automating data collection tasks via **RabbitMQ and Celery**.
- **Modernization:** Collaborated with architects to migrate the monolithic application to a **Kubernetes-based microservice architecture** via Docker. Refactored the frontend from Flask-Jinja to a React-based SPA.
- **WidgetBoss (BackupCenter):** Developed CLI tools for storage and backup scheduling, reducing the Client Facing Team's SLA time by **70%**.

- **Code Quality:** Actively conducted code reviews and enforced PEP-8 standards across the team.

Senior Software Engineer (ETL) | Gemini Solutions

Dec 2017 – Nov 2019

- **Kapture-CRM:** Designed a microservice to track customer ticket history before posting to 3rd party CRMs. Implemented via **Node.js, Express, and Kafka** in a team of six.
- **Mediscan:** Developed Django APIs for descriptive and predictive analysis of patient vitals (USG & X-ray).
- **ETL Automation:** Built internal CLI tools to access FTP/SFTP servers via a single script, scheduled via Autosys.
- **GoldenGate Replication:** Automated replication delay calculation and reporting from Sybase to Oracle.

DevOps Engineer | Global Analytics

Aug 2016 – Nov 2017

- **DONS (DevOps Navigation System):** Partnered with developers to implement a monitoring tool API in Django that synced with **Zabbix** for alerts.
- **Efficiency:** Reduced manpower required for issue identification and escalation by **80%**.

Senior System Engineer (Ops) | Infosys

Feb 2014 – July 2016

- **Bus Ticket Vending POC:** Developed Flask-Restful backend APIs serving data to an Android frontend for an automated ticketing system.
- **L2 Support:** Provided support for server applications using Splunk, ELK, and Oracle Siebel CRM.

Education

- **B.Tech in Electronics & Communication (ECE)** | BPIT, GGSIPU, Delhi (2013) | 76%

Certifications

- **Kubernetes:** Introduction to Kubernetes, Linux Academy (Aug 2021)
- **Python:** Python Certification, Infosys (Mar 2015)
- **Version Control:** Git Version Control, Udemy (May 2018)
- **Trading:** Stock Trading Strategies & Interactive Brokers API (2022)