Abhishake Gupta

+91-9650063413 | abhishakegupta91@gmail.com

Technical Architect | 12+ Years | Python, AWS | Trading Systems   LinkedIn | Github | Website

Professional Summary:

Technical architect / backend engineer with 12+ years building and modernizing systems across finance/trading, food-tech, aviation, e-commerce, and storage platforms. I'm strongest in system design, performance tuning, and taking legacy services to stable, observable, scalable platforms on AWS. I've built data-heavy pipelines (including market data feeds / broker APIs) and shipped latency-critical improvements (e.g., reducing a sync flow from ~40 minutes to seconds with distributed caching). I like owning problems end-to-end: architecture, delivery, and production support.

Technical Skills:

- Programming   : Python, JavaScript, Bash
- Backend   : FastAPI, Flask, Django, Node.js
- Architecture   : REST APIs, Microservices, Distributed Systems, System Design
- Data   : Pandas, NumPy, SciPy, Scikit-learn
- Datastores   : PostgreSQL, MySQL, MongoDB, Redis
- Messaging/Async   : Kafka, RabbitMQ, Celery
- Cloud / DevOps   : AWS (S3, EC2, SNS, RDS, IAM), Docker, Kubernetes, CI/CD
- Observability   : Datadog, Splunk, ELK / Elasticsearch, Zabbix
- Market Feed   : ICICI Direct, IB, Zerodha
- Payment Gateway   : NMI, Razorpay

Experience:

Senior Backend Engineer	**Checkmate**	Remote	Jul 2023 – Present
Senior Software Engineer	**Bluetick Consultants**	Remote	Aug 2022 – Jun 2023
Senior Software Developer III	**Rackspace Technology**	Gurgaon	Nov 2019 – Aug 2022
Senior Software Engineer	**Gemini Solutions**	Gurgaon	Dec 2017 – Nov-2019
DevOps Engineer	**Global Analytics**	Noida, Chennai	Aug 2016 – Nov 2017
Senior System Engineer	Infosys	Chandigarh, Mysore	Feb 2014 - July 2016

Education:

Bachelor of Tech [ECE] (**76**%)	BPIT, Rohini (GGSIPU), Delhi	2013
Senior Secondary (**80**%)	Bal Bharti Public School, CBSE Delhi	2009
Higher Secondary (**87**%)	J.M. Senior Secondary School, CBSE Delhi	2007

Certifications:

- Coursera: Market Microstructure, Web3 and Blockchain fundamentals
- Udemy, Become a Product Manager, Stock Trading Strategies, Technical Analysis, Advanced Interactive Brokers API, Git Version Control
- Linux Academy, Introduction to Kubernetes
- Infosys: **Python** certification, Open Sources & systems training

Major Projects:

1. **Direct Ordering:** I Led a team of 4 in modernizing a legacy food-ordering platform, driving a **99% reduction in menu sync latency (40m → 3s)** via distributed Redis caching. Simultaneously expanded system capabilities by architecting robust integrations for Loyalty (Sparkfly, Punchh), Delivery (DoorDash, Uber Eats, Relay), and Marketing campaign event data (OneSignal, Sparkpost) providers.
   Tech Stack: NMI, Python Flask, Redis, React, Docker, JWT, Datadog, Windsurf; Team Size: 4

2. **JioMarket Seller Platform (FMCG):** I was involved in rapid development (MVP) of the Seller Central portal, **reducing time-to-market by 50%** through orchestrating strategic integrations with third-party SaaS solutions. We engineered a high-concurrency backend using Python (Sanic) & Kafka to handle real-time seller inventory updates & order processing for the massive Reliance FMCG ecosystem.
Tech Stack: Python, Redis, Flask, Kafka, Docker, JWT; Team Size: 4; Client: Reliance

3. **Aviation Resource Optimization System:** We created a scalable tool in Python using heuristic algorithms to optimize complex flight logistics. I automated crew and aircraft scheduling for regulatory compliance and prioritizing proprietary infrastructure, the system successfully minimized third-party vendor reliance and reduced overall fuel and operational costs.
Tech Stack: Bash, Python, Redis, Pandas, Docker; Team Size: 4; Client: Optym

4. **Real-time Smart Scalp Assistant:** This is a side project where I used IB Scanners data to identify active securities and ICICI Direct REST API to fetch the real time quotes of securities, generate signals and proceed with order execution of different types like Bracket Order, Trailing Stoploss and Target Orders.
Tech Stack: Python, Pandas, ta-lib, Docker, IB Socket Programming API, ICICI Direct Rest API; Team Size: 1

5. **StorageCenter & WidgetBoss:** We modernized the legacy monolithic application into a Kubernetes microservices architecture, reducing API latency by 60% by implementing asynchronous ETL via RabbitMQ and Celery. Also, I developed a CLI-based automation tool to manage storage backups and scheduling, slashing Client Facing Team SLAs by 70%.
Tech Stack: Python, React, Orchestration (Pod, Docker, Kubernetes), ELK, Splunk; Team Size: 6

6. **Market Data Feed Engine:** I single handedly developed a scalable robust ETL Financial Data Feed Handler in Python, Bash that aggregated real-time security quotes and reference data from Markit API and Bloomberg via multiple protocols (API, FTP, SFTP, FTPS). The system normalized disparate data streams into a unified internal format for downstream trading applications.
Tech Stack: Python, Test Driven Development, Docker, Bloomberg, Markit; Team Size: 1

7. **Querysurge & GoldenGate Replication:** I enhanced the data migration visibility by building an automated pipeline that calculates replication delay (Sybase -> Oracle) and dynamically tracks test suite status for real-time reporting.
Tech Stack: Bash, Python Automation Scripting, Test Driven Development; Team Size: 3-5

8. **Lending Stream:** Streamlined operational workflows by automating server provisioning and maintenance. Managed critical infrastructure incidents as the dedicated escalation point for the lifecycle of internal and external tickets to ensure high system availability and rapid issue resolution.
Tech Stack: Bash, Python scripting, Docker, ELK; Team Size: 23

9. **Devops Navigation:** I was involved in developing a centralized monitoring dashboard using Django Framework to integrate real-time Zabbix alerts. This optimized incident management workflows, reduce manpower required for issue identification & escalation by 80%.
Tech Stack: Python, Django, MS Excel; Team Size: 4-6