

# Abhishake Gupta

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## Professional Summary:

Highly experienced Senior Software Developer with over 12+ years of hands-on expertise spanning the entire SDLC, from architectural design to deployment on **AWS (EC2, Lambda, RDS, SNS etc)** via high-performance REST APIs using **Python**. My background includes a strong track record of both building cloud-native solutions from scratch and successfully modernizing complex, decade-old legacy systems through rigorous refactoring & optimization. I focus on delivering clean, robust code by strictly adhering to **TDD/BDD** methodologies and Design Patterns, ensuring high reliability in high-availability Unix environments. Possesses a strong passion for financial markets, demonstrated through practical experience with trading APIs and dedicated certifications in trading strategies and technical analysis. Seeking to leverage extensive software engineering expertise to solve complex challenges in a Quantitative Developer or Algorithmic Trading role.

## Technical Expertise:

- Programming : **Python** (Advance), **Javascript & Golang** (Basic to Intermediate)
- Frameworks : Flask, Django, NodeJs, React, **Git**, RabbitMQ
- Databases : RDBMS (MySQL, **Postgres**) & Non-RDBMS (**MongoDB**)
- Quant & Data Lib : Pandas, NumPy, SciPy, Scikit-learn, Matplotlib, Celery
- Monitoring Tools : Zabbix, ELK, Splunk, NewRelic
- AWS Cloud Apps : AWS EC2, Lambda, S3, RDS, VPC, SNS etc
- Trading APIs : Interactive Brokers, ICICI Direct, Zerodha
- Applications : **Docker**, Celery, Elasticsearch (AppSearch)

## Career Contour:

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|--|----------------------|
| 1. Senior Software Engineer, Bluetick Consultants      | Aug 2022 – Present   |
| 2. Senior Software Developer III, Rackspace Technology | Nov 2019 – Aug 2022  |
| 3. Senior Software Engineer (ETL), Gemini Solutions    | Dec 2017 – Nov-2019  |
| 4. DevOps Engineer, Global Analytics                   | Aug 2016 – Nov 2017  |
| 5. Senior System Engineer (Ops), Infosys               | Feb 2014 - July 2016 |

## Educational Qualification:

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|---|--|------|
| ➤ Bachelor of Tech [ECE] ( <b>76%</b> ) | BPIT, Rohini (GGSIPU), Delhi             | 2013 |
| ➤ Senior Secondary ( <b>80%</b> )       | Bal Bharti Public School, CBSE Delhi     | 2009 |
| ➤ Higher Secondary ( <b>87%</b> )       | J.M. Senior Secondary School, CBSE Delhi | 2007 |

## Affiliations/Certifications (Recent):

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|--|-----------|
| ➤ Coursera, Market Microstructure            | Jan, 2026 |
| ➤ Udemy, Become a Product Manager            | Dec, 2025 |
| ➤ Coursera, Web3 and Blockchain fundamentals | Jun 2025  |

- |   |           |
|---|-----------|
| ➤ Udemy, Stock Trading Strategies, Technical Analysis | Dec, 2022 |
| ➤ Udemy, Advanced Interactive Brokers API             | Oct, 2022 |
| ➤ Linux Academy, Introduction to Kubernetes           | Aug 2021  |
| ➤ Udemy, Git Version Control                          | May 2018  |
| ➤ Infosys <b>Python</b> certification                 | Mar 2015  |

## Projects:

### 1. Direct Ordering

- Engineered a full-stack management portal, featuring a React frontend and a Flask backend, with a robust RESTful API for complex data operations and entity management.
- Expanded core platform capabilities by successfully integrating a suite of third-party services via their REST APIs, handling diverse data formats and authentication patterns including payments (Valutec), logistics (DoorDash, UberDirect), and loyalty services (Como, Punchh, Sparkfly).
- Led the continuous refactoring and optimization of a legacy codebase, significantly improving architectural integrity and reducing technical debt to enable new feature development.

### 2. Company Management (Part of Test Studio Management)

- Created & reviewed SDLC **design documents** with product team, architects & gained feedback.
- Build this **microservice in Golang-Fiber** to perform CRUD operations on a tree-like folder-subfolder structure that keeps test cases files.
- Tested & fine-tuned Rest APIs via **Postman** automated collections.

### 3. Megatron (E-Commerce Cart Management System)

- Understand & create the **design docs** for the existing **python-flask Restful API** based project.
- Gave KT to other team members on its designs, for feature enhancements & bug fixing.

### 4. Kapture-CRM

- Participated in SDLC **design documents** reviews with product team, architects & gained feedback.
- A microservice to keep a history of customer tickets before & after posting it to a 3rd party CRM app.
- Worked in a team of 6 to Implement RestFul APIs via **Nodejs, Expressjs** and **Kafka**.
- Tested & fine-tuned Rest APIs via **Postman** automated collections.

### 5. StorageCenter

- Successful **feature enhancements** to **Flask** based project aimed at collecting data and providing descriptive analysis of various inhouse hardware devices from various vendors like DELL, EMC, PureStorage, NetApp etc.
- Worked with project managers to re-Architect a multi web-page app (**Flask-Jinja Templates**) to **React** based SPAs for a better user experience.
- **Reduced API latency response by 60%** by automating data collection tasks viz. RabbitMQ-Celery.
- Migrate existing monolithic application (StorageCenter) to Kubernetes based **micro-service architecture** via app containerization (**Docker**).
- Actively conduct **code reviews, training** to adhere to PEP-8 standards.
- Tested & fine-tuned Rest APIs via **Postman** automated collections.

6. WidgetBoss (BackupCenter)

- **Reduced SLA time by 70%** of Client Facing teams' by providing cmd line tools to perform various operations for storing, backup, scheduling etc. of client's data (WidgetBoss).
- Actively conduct **code reviews, training** to adhere to PEP-8 standards.

7. ETL Jobs and Migration

- Build internal tools & **ETL cli scripts** to access FTP, SFTP and FTPS servers via single script to perform remote operations & later schedule tasks via **Autosys**.
- GoldenGate Replication: Automate replication delay calculation & reporting from **Sybase to Oracle**.
- Created **Querysurge** Wrapper to execute & retrieve dynamic status of the test suites with later aimed at scheduling, and reporting.

8. Mediscan

- Wrote **Django Api's** for descriptive & predictive analysis of **corona** patients vitals viz. USG & x-ray.
- Tested & fine-tuned Rest APIs via **Postman** automated collections.

9. Automatic Bus Ticket Vending Machine

- A **POC** project to automate ticketing systems in passenger buses.
- Created SDLC **design documents** & reviewed with product team, architects & gained feedback.
- Developed **Flask-Restful backend APIs** that served data to an Android frontend app.
- Tested & fine-tuned Rest APIs via **Postman** automated collections.

10. DONS (Devops Navigation System)

- Partnered with developers to implement an advanced monitoring web tool (DONS) **RESTful API** in **Django**, that works in sync with Zabbix Tool as source of all alerts.
- It **reduced manpower by 80%** for issue identification, escalation & resolution to some extent.
- Navigate through existing processes & workflows and contribute for enhancements & bug fixes.

11. Reporting Tools

- Spearheaded a **log Analyzer & reporting tool** to analyze test logs and create excel reports.
- Some adhoc automation tasks using **Python, SQL** & a bit of **shell scripting**.

12. L2 Support

- Engaged in support for server apps using Splunk, ELK, Zabbix, Toad and Oracle Siebel CRM.
- Advocated the config changes, Monitoring, Debugging, Reporting, Issue identification & Escalation to/of the system.