

# ADITYA GUPTA

## Engineering Lead

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### Summary

- Results-driven professional having **10+ years of diversified experience** in Software development, System design, Optimizations, Release management and Tech leadership.
- Currently working as an **Engineering Lead with OLX Group**, one of the world's largest online classified platforms.
- Experienced in distributed systems with good exposure to the business domains like **classifieds marketplace**, cloud telephony, B2B supply chain management.
- Responsible for **planning engineering roadmaps/OKRs, building strategies, designing architecture and delivery of projects** that enhance the user experience, performance, and scalability of the platform.
- Excellent **global exposure** working with cross functional technical teams and business units, client interaction and stakeholder management.
- Experienced in managing and **mentoring the engineering team**, ensuring quality, innovation and alignment with the business goals.

### Skills

- ❖ Languages & Frameworks: **Python, Django**, Ruby, Ruby on Rails, C, Java.
- ❖ Databases: **MySQL, PostgreSQL**, MongoDB.
- ❖ Technologies: **Redis, Rabbitmq, Elasticsearch**, Nginx, UWSGI, Docker, Kubernetes, Helm.
- ❖ AWS: **Kinesis, DynamoDB, SQS**, S3, API Gateway, Lambda, SNS, SES, Polly, RDS, EC2, ELB, EKS.
- ❖ Web Technologies: jQuery, JSON, AJAX, Jinja, Soap, Rest, gRPC, web sockets.
- ❖ Project Management: HLD, LLD, ETL, Gitlab, Git, NewRelic, Sonarqube, Teamcity, JMeter, Jenkins, Jira, Scrum.

### Professional Experience

#### OLX Group

Feb 2018 - Present

#### Engineering Lead

##### Roles & Responsibilities

- ❖ **Defining team's OKRs** aligned to company's OKR with measurable key objectives and quarterly deliverables.
- ❖ Collaborate with product owner, stakeholders to **understand product requirements** and translate them into user stories.
- ❖ Finalizing **design and architecture** of the system, integration with other tools and services.
- ❖ **Defining release scope**, resolving cross functional teams dependency to ensure delivery within timelines.
- ❖ Analyzing and estimating features, **sprint planning**, delegating tasks to the team and mentoring the team in development.
- ❖ **Product/Feature development** using Python, Django and other backend technologies.
- ❖ Ensuring unit & functional testing and **code coverage**, conducting **code reviews** and managing QA of features.
- ❖ **Release/build management** for QA, UAT and production and deploying the deliverables using CI/CD pipeline.
- ❖ Identifying and presenting **metrics to measure the impact** of delivery on business.

#### Projects

##### Automated Intelligent Pricing (AIP, Pricing Service, FCG-Cardata)

- **Integrated data science models** to predict C2B, B2C and B2B prices of cars.
- **Improved C2B conversion by 12%** by providing real time and accurate (similar to procurement) prices.
- Built **Data pipelines** to compare our prices with market prices and also to prepare data for iterative model training and retraining.
- **Reduced null quotes from 8% to 0.5%** across all markets.
- Built APIs to serve prices to **millions of customers** across multiple countries.

##### Cosmos (Glorian, Skylab, Solar, Lunar, Comet, helios, gravity)

- Built a new **event driven, microservices based** moderation system from scratch which was customizable to moderation needs of each market.
- Reduced the go live time of ad from **1.5 minutes to 30 seconds**
- Reduced the manual moderation from **25% to 15%** by using DS models for auto moderation.
- Used multiple AWS services like **Kinesis, DynamoDB, SQS, S3 and RDS**.

##### Moderation tools (Staffia, Talos, umbrella, image index, skynet)

- Built a Staffia tool to tackle the problem of fraud in India. Banning approx **6000 fraud accounts** daily.
- Build and manage multiple other tools like Talos, umbrella, image index and skynet for moderation system which helps in

predicting fraud and detects duplicates images and NSFW images.

- Technologies used: **Python, Flask, Mongoddb, Rabbitmq, Dynamodb and S3.**

#### **ML-Chat Service**

- Build a **Question cloud for the Chatbot** by identifying the frequently asked questions of buyers.
- Build a mechanism to answer the buyer's question through Chatbot on behalf of the dealer that **improved the dealer's productivity.**

#### **Jobsy & Aasaanjobs Backend**

- Built a **fast paced project Jobsy** to explore the possibilities in blue and gray collar job vertical which helped Olx acquire Aasaanjobs. Developed in **Python, django.**
- Integrated calling functionality to directly call the candidates.
- Managed Aasaanjobs backend which was developed using **gRPC, graphql and apollo server.**

### **Knowlarity Communications**

**July 2015 - Jan 2018**

#### **Senior Software Engineer**

##### **Projects**

##### **Knowlus (Platform)**

- Worked on knowlus, which **integrates with free switch through socket connection**, used to process telephone calls and send instructions for running calls.
- Improved the connect-time** of outbound calls from **50 seconds to 10 seconds.**
- Built multiple features in other knowlus daemons like Incallid, Outcallid, Preprocessd, Postprocessd etc
- Technologies used: **Python, PostgreSQL, Rabbitmq, Redis, SQS, td-agent** etc.

##### **Knowlus Resource Management (KRM)**

- Built a **centralized resource manager** for all the IVRs and numbers associated with them.
- Exposed **highly available APIs** to be integrated with Platform and Knowlarity products (SuperReceptionalist, Smart IVR).
- Preprocessed all kinds of information in **Redis to reduce latency** in fetching information during live calls.

##### **KServices**

- Integrated with SES, SparkPost, twilio, valuefirst etc for **sending bulk emails and SMS.**
- Built features to manage **traffic distribution** between multiple vendors **to optimize cost.**
- Built features and APIs to manage all the media files and call recordings to and from amazon S3.
- Integrated AWS Polly, Nuance** to convert text into mp3 files.

##### **Number Management System, Presales Management System, Number Recycle Management**

- Built a centralized tool NMS to **manage phone numbers and their billing** based on rate cards.
- Build PMS tool to manage booking of numbers through multiple stages like pre-sale, sale, allocation and delivery.
- Build NRM tool to manage recycling of phone numbers that helped in **maintaining telecom regulations** without a miss.

### **Global Logic**

**July 2013 - July 2015**

#### **Software Engineer**

##### **Projects**

##### **OpenText/GXS Active Community**

- Client- OpenText Corporation, USA
- Single handedly drove the most critical feature** of building a sub community within the community.
- Developed many features to facilitate better, faster and easier B2B collaboration between company employees and the individuals within the organizations with which they do business.
- Improved the **code coverage from 70% to 85%.**

#### **Honors & Awards**

- ❖ **Value Evangelist Award** for Resale Price Prediction project by Olx India Pvt Ltd in July 2018.
- ❖ **Multiple Team Awards** for Best Project in Olx India Pvt Ltd.
- ❖ **Engineering Excellence Award** for Q3 FY-2015 in GlobalLogic India Ltd.
- ❖ **Certificate of Appreciation** for GXS-Active Community Project by GlobalLogic India Ltd in January 2014.

#### **Education**

##### **Bachelor of Technology (Information Technology)**

**2009-2013**

College: A.K.G.E.C. Ghaziabad (Gautam Buddha Technical University, Lucknow)

Percentage: 71.88%