# Abhishek Agrawal

Bangalore,India

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## Employment history

**Software Engineer, Informatica. Bangalore, Karnataka**
Jul. 2017 – Present

Working as Full Stack developer using NodeJS ( Express.JS ) and Python ( Django and Flask ) in the Backend and React.JS in the Frontend. Industry experience of developing data oriented, scalable, highly available  micro services that are used by more than 50000 people world wide. Added experience of AWS Deployments and service interactions, Kafka and Big Data stack along with a wide variety of NoSQL databases.

## Education

**Graphic Era University, Dehradun, Uttrakhand**
B.Tech, Computer Science, Jun. 2017

## Accomplishments

**TECHNICAL**

- Qualified initial rounds of Google Code Jam'19 and attained an overall rank of 5927.
- Promoted to Software Engineer from Associate Software Engineer at Informatica LLC
- Received offer for the role of systems engineer by Wipro and software engineer ( QA ) by OLA cabs.
- Cocubes score of 593 and AMCAT score of 98 percentile
- Qualified GATE 2017 with a percentile of 94 % and was shortlisted for MS in Computer Science Engineering at IIT Mandi
- Received letter of appreciation from Slightline Systems for performance in Hackerrank WorldCup Winner of State level Science exhibition and National runners up for the same
- Received certificate of merit for securing ranks at various National science and Computer Olympiads
- Recipient of letter of appreciation from Hon ex-HRD minister for performance in class X examinations

**CULTURAL**

- An avid traveler who has traveled to 8 countries and more than 50 cities across the globe.
- A curious reader who like to read and get myself involved in new game changing technologies like Quantum computing etc.
- Winner of inter college current affairs competition IQ-14
- Organizer of intra college events-Codethon and Robowars
- Author of several articles published on platform used by institutions like IIT and IIM namely www.fuccha.in
- Attended several workshops and participated in events like IIT delhi open house,Inter college LFR competition etc.
- Founder of a 2000 member FB group named -"Glimmer of Hope @ India".It concerns with social issues relating to India

## PROJECTS

1. **Engineering Dashboard :** It is a kind of performance dashboard which displays all the statistics relating to an engineer like Number of tasks completed / remaining along with a variety of other metrics. Other features include: report generation, color coding of important tasks, Okta verification etc. It is used across Informatica to track performance of engineers in a transparent manner.

2. **System Health Utility Manager :** This is a centralized health tracker for all the in-house servers and product instances. It notifies about the health of instances periodically, collects and shares all the aggregated logs, grants and revokes access to users etc.

3. **File Manager :** Designed a secure file manager system for internal and external use where users can share files and manage it across folder along with features like access control , email notifications, usage and audition dashboard etc.

4. **Salesforce like system for Internal Support Teams :** Worked on Salesforce like system for internal support teams. The system will allow them to prioritize support tickets, ML based prioritization, send and receive emails / notifications , track progress, collaborate etc.

5. **Audit Logger System for Informatica Platform :** It serves as a dashboard which will allow users to
authorize , track usage of products along with other features like load balancing, downtime monitoring, reporting etc.

6. **Profiler for Enterprise Data Catalog :** It extracts metadata from different source systems along with user defined sample data and profiles it by performing actions on it like feature extraction, similarity discovery, unique and primary key inference, data type inference etc. It then displays the results in a dashboard which allows users to enrich it from the EDC UI afterwards. Also the inferences are fed to CLAIRE ( Informatica AI ) for feedback training of algorithm.

7. **REST API for Enterprise Data Catalog :** Designed various REST API's for EDC to enrich the extracted datasets from various source systems. Also designed a Swagger based UI for these API's.

8. **Data archive :** Part of Data archive development team which is used to extract metadata from transaction systems and push it to history systems in a compressed manner. Also one can perform reporting / enrichment tasks on such kind of extracted data like applying of retention policies etc. One can also utilize features like data compliance , risky data detection etc.

Also Part of development team for Dynamic Data masking etc.

## Skills

AWS ( S3, EC2 , Lambda )| Git | Heroku

NodeJS | JavaScript | Grunt | Swagger Based REST API

ExpressJS | TypeScript | Authentication | Socket.IO

React | HTML | CSS | SCSS | JQuery

Databases ( NoSQL and Relational )

Big Data

Kafka

Flask

Django

Python