

Delhi, India
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Biplab Dholey

KEY SKILLS

- Well versed in architecting appealing and feature rich user interfacing applications with very good scalability, efficiency and fault tolerance.
- Attention to detail and commitment to high quality/error free deliverables
- Excellent organizational skills -ability to prioritize, manage, multi-task and execute projects cross-functionally
- Strong knowledge of Systems Development Lifecycle (SDLC) process and methodologies
- Strong interpersonal skills, excellent oral and written communication and presentation skills
- 7+ years of experience in developing scalable and low-latent backend systems using cutting edge technologies
- 2+ years of experience in architecting enterprise level services and leading its execution & management
- 1+ years of experience in managing a team of 3 members and guiding them in following possible best of software development practices.

LANGUAGES (worked on)

Java (2+ years), **Python** (5+ years), **GoLang**(2+ years), **Javascript**(2+ years), **Scala**(1+ years)

TECHNOLOGIES & FRAMEWORKS (worked on)

HTTP, REST, gRPC, GraphQL, PostgreSQL, MongoDB, DynamoDB, MySQL, SQL Server, Redis, Aerospike, Nginx,, Zookeeper, Kafka, AWS Cloud, Docker, Kubernetes, Google Cloud, Firestore, ExpressJS, Django, Java Spring Boot.

EXPERIENCE

Indmoney.com, India – *Engineering Manager*

Aug 2022 – PRESENT

- **Architect & lead the development of new services and features** such as **integrating a new banking partner** for Fixed Deposit service, utilizing standard concepts, practices and procedures

- Work closely with other groups like product, business analyst, quality assurance, and project management resources throughout delivery of solutions
- **Sprint planning on a weekly basis** and provide weekly status reports on tasks completions to the Director of Tech.
- Coordinate and implement new system enhancements such **Database/Cache connection pooling** and adding a **Notification Engine**, adding a setup for integration testing, **Database migrations** etc
- Mentor and support other members of the team and assist in completing tasks and meet objectives by discussing & documenting solution and then guiding them to best practices and code reviews
- Monitor upcoming new development activity for potential impact to overall environment Create, review and approve business, functional and technical design specifications for transaction processing applications

Agoda.com, India – *Senior Software Engineer*

Aug 2021 – Aug 2022

- Hands-On experience working on a **globally distributed system** following **microservices based architecture**.
- Analyse the code and understand the workings of services, in order to integrate new functionalities such as Credit Card Points redemption feature, prepare sequence diagrams of the changes in the flows and, document the solutions in the form of HLD and LLD.
- **Integrate critical APIs of Partners** such as Credit Card Points redemption API with proper analysis and handling of all probable edge cases and errors
- Lead the execution of pieces such as **Authorization/Authentication flow for partner APIs** based on **OAuth/SAML model**, by making changes in multiple microservices i.e multiple teams, inter-team discussions and continuous interaction with stakeholders from Partner's end.

Goibibo.com, India – *Software Engineer – Senior Software Engineer*

Au 2016 – Aug 2021

- Contribute to Development in critical services with **RPM as high as 4000** and **restriction on overall response time to under 200-300 ms**.
- Provide technical guidance to Review Moderation Support team and **automate process**, such as **Auto image classification of user posted images using Google's AutoML** and Auto Approval and Rejection of text reviews based on **textual analysis**.
- Get involved in **Architectural decision making** and contributed by giving optimised solutions to complex technical problems, such as suggestion of **building a centralised of Cache and with optimised structure**, which helped in significant **reduction of overall Cache size and data reading speed**.
- Proven track record of coming up with and, building innovative and optimised solutions to complex technical problems such as **Auto Image Classifier service, Screenshot generating System, Hotels search functionality by City and Gateway** etc with full ownership, accuracy and speedy execution.
- Anticipate, identify, track and resolve issues and risks affecting the application

PROJECTS

Notification Engine

- Lead the design and development of the whole service with speed, accuracy and scalability in mind
- Used **Redis priority queue** for prioritising notifications and **Java Executor Service** for sending Notifications asynchronously in scalable manner.
- Used **PostgreSQL** for logging notifications metadata and **blocking duplicate notifications** for definite time (product requirement).
- With a throughput as high as **2000-2500 notifications per minute**.

Capture Realtime Pricing Service

- Responsible for execution and management of the service and orchestration of interactions of the service with other platforms
- Used **Appium and Selenium service** for capturing Screenshots of realtime hotels pricing on partner's platform e.g. booking.com, makemytrip.com, agoda.com etc
- Used **Python's Celery as Message Queue/Task Queue** and multithreading library to parallelize the process of Screenshot capturing
- Used **AWS S3** for uploading generated Screenshots and MySQL to keep a ledger of generated screenshots and communicate with other services via Kafka.
- With a throughput as high as **150-180 Screenshots per minute**

Auto Image Classification Service

- Used **Google Cloud's Auto ML** service to train a ML model on a dataset of 30 thousand images per Category for categorization of User Posted images.
- Responsible for **iterations and tuning of ML model** for better categorization with accuracy
- Able to achieve an accuracy of **95%-96% correct categorization** with added accurate nudity detection
- Later exposed the models as Service using **AWS Kinesis** to communicate with other consumers such as Hoteliers for categorization of their hotel images with throughput of **1500-2000 images per minute**

EDUCATION

Netaji Subhas Institute of Tech, Delhi India – B.Tech.

Aug 2012 – Aug 2016, Delhi, India.

AWARDS

- **Go-MMT Impact Innovator of the year 2019-20**
- **Indisruptor Award, FD Forerunner 2022-23**

HOBBIES

Writing, Reading, Watching Movies and TV shows, Soccer.