Piyush Mishra

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EDUCATION

Delhi Technological University   Delhi, India
Bachelor of Technology in Electronics and Communication; GPA: 8.1/10.0   *Aug. 2011 – May. 2015*

EXPERIENCE

Goibibo & MakeMyTrip   Bangalore, India
Senior Software Engineer 2   *October 2019 - Present*
- Developing and maintaining backend services for Goibibo and MakeMyTrip hotel platform.
- Creation od REST APIs, data pipelines Images & Video, How to reach, Covid Survey, MMT Host APP,Multi Vendor SupportWorked on User Generated Content, Google drive integration and creation of REST APIs.
- Developed the modules such as Images, Video, How to reach property, Hotel Surveys, .
- Developed the full images video backend modules for goibibo & MakeMytrip B2C websites and apps, with compression techniques to save bandwidth and optimize cost.

Amadeus Labs   Bangalore, India & Nice, France
Software Engineer & Senior Software Engineer   *July 2015 - October 2019*
- Developing the core backend to handle shopping and booking transactions for Hotel IT platform in Amadeus.
- Developed web application and REST API for managing of passenger record data.

PROJECTS

Multhithreaded file transfer server | *C, pthreads*
- Designed a multithreaded file server with caching

Distributed File System | *C++14, gRPC, and Protocol Buffers.*
- Designed and implemented a distributed file system (DFS) with a weakly consistent synchronization system to manage cache consistency between multiple clients and a single server.

Virtual CPU Scheduler and memory coordinator | *C, KVM, libvirt*
- Designed and implemented a libvirt API to schedule virtual cpu and memory resources.

Map reduce implmenataion using gRPC | *C++14, gRPC, and Protocol Buffers.*
- Designed and implemented a distributed file system (DFS) with a weakly consistent synchronization system to manage cache consistency between multiple clients and a single server.

Distributed Key Value Store | *Go*
- Designed and implemented a distributed key-value (KV) store.

TECHNICAL SKILLS

Languages: Python, C/C++, Go, SQL, Shell (BASH)
Technologies: Django, Django Rest Framework (DRF), MySQL, MongoDB, Areospike, Redis, Kafka, ElasticSearch, Celery, Protobuf, gRPC, OpenMP, Open MPI
Developer Tools: Git, Docker, Jenkins, AWS (ECS, EC2, S3), Grafana, Sumologic, Scalyr, NewRelic

AWARDS & RECOGNITION

Recognized and awarded best performer four times at work.
Scored top 0.2% among 1.2 million aspirants in IIT JEE and AIEEE 2011 examinations.