Himanshu Chowdhary
DevOps Engineer

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Projects

Infrastructure as a Code
January, 2020 - Present
The objective of this project is to get all the tasks that we do on UI or some ad hoc scripts committed as code and changes should be applied via Jenkins pipelines. Changes to infra would be done by creating PRs and upon approval those would be applied.

AMI based deployment pipelines
August, 2019 - October, 2019
Objective was to use immutable server pattern to solve the problem of snowflake servers. The deployment done until now was using rolling restart pattern. AMI based deployment solves this problem. Several tools were evaluated in this including an in house written script.

Container Based Disposable Environment
June, 2019 - Sepetember, 2019
Objective was to make reproducible environments based on docker containers so that it is cheaper and quicker to launch, test and destroy.
All the applications were dockerized. Designed and implemented a docker container based environment. Jenkins pipelines were written to manage creation, stop and destruction of these environments. CI and CD was designed and developed around these environments to provide automated and instant feedback to developers about the feature development.

Centralized Log Management
January, 2019 - March, 2019
Logs were written on local disks on app servers. Different approaches were evaluated in this project. First of them was traditional ELK Stack. Second solution was Fluentbit, Fluentd and S3 stack which was optimal for our use cases.

Disposable Setups
March, 2019 - May, 2019
The project was about creating disposable clones of the production infra on a smaller scale to allow multiple product features to be tested in parallel without impacting other feature delivery timelines.

Deployment Pipelines
September, 2017 - October, 2017
Deployment pipelines were created which would do a canary deployment or an automated rolling deployment of applications. This was done using AWS APIs, scripting, Ansible and Jenkins pipeline.

AWS Migration
July 2017 - August 2017
To leverage cloud offerings to scale as the business grew
Migration of entire tech stack from bare metal servers to AWS. This included writing scripts for creating infra on AWS and creating Jenkins pipeline to run these scripts.

CI Migration
May, 2017 - August, 2017
Application build and integration test pipelines were migrated from GoCD to Jenkins. All the pipelines were written as code.

Experience

Senior DevOps Engineer
Play Games24x7 Pvt Ltd
October, 2019 - Present
Mumbai, India
Designing and implementing a comprehensive CI strategy and leading the efforts to implement it. Leading and mentoring a team of 9 engineers in various projects.

DevOps Engineer
Play Games24x7 Pvt. Ltd.
June, 2018 - September, 2019
Mumbai, India
Responsible for automating operations across the engineering team.

Software Engineer
Play Games24x7 Pvt Ltd
December, 2017 - June, 2018
Mumbai, India
Responsible for solving existing tech debts and developing product features.

Manager Analytics
Aditya Birla Payments Bank
May, 2017 - December, 2017
Mumbai, India
Responsible for developing interactive dashboards that would help in slicing and dicing data.

Data Engineer   Capgemini India
June, 2015 - May, 2017   Mumbai, India
Responsible for developing data pipelines and ETL jobs for big data.

Education

Bachelor of Technology
Indian Institute of Technology, Kharagpur
July, 2011 - August, 2015

Higher Secondary School
Nalanda Academy, Kota   2009-2011

Senior Secondary School
City Montessori School, Lucknow
1998-2009