**Tell me about yourself:**

It’s pleasure to introduce myself, coming to my profession I have been working since 2015 June for **FIS GLOBAL BUSINESS SOLUTIONS** Pvt. Ltd, as a DevOps Engineer. I have started my career as a Java Developer, then slowly I moved into devops culture.

**Roles and Responsibilities:**

**AWS:**

I work on build the servers in AWS according to developer’s requirement then I will hand over to the application team. Provisioning new servers according to client or organizations requirement. Moving or migrating applications from physical or native environment to cloud environment means AWS and in AWS of Integrated servers. Load Balancing auto-scaling for high available servers. EBS, S3, storage for creating & accessing the buckets.

In my environment we have mixed infrastructure means: Physical, Virtual, Cloud. For Migration purpose terabyte data, we use snowball, petabyte we use storage gateway, Import.

**DevOps Environment:**

For infrastructure automation purpose we use chef in my environment.

**Git:**

* S/w configuration management we use GitHub
* Whenever new users join will give access on respository.
* If user getting any issues while merging one branch to another branch use git logs command.
* For this I use git logs command which user committed.
* Clone the existing repository and manage local repository like init, add, commit.

**Jenkins:**

* To build the environment we use continuous integration.
* I create the jobs install required plugins, and the setup the global settings for QA, Dev environment.
* We will create **new Nodes (slaves)** as per the new requirements and followed by the executors.
* In job configuration to build the setup trigger options like pollscm, periodically or whenever developer commits changes in github automatically trigger will raise.
* For this we setup web hooks
* If it is java files like .jar, .war.
* If it is dotnet.dll, .msi
* Define the build steps like build from or we will create maven build, if we want to define we use shell script.
* We will do the post build configuration like configure upstream project means after completion one build then configure next build.
* We build immediate, night, evening builds.
* Will create and manage new users in Jenkins when new developers is join in project we add the new user in particular project. We will manage nodes.

**Chef:**

* In chef I can build the chef environment and create cookbooks, recipes, roles for webservers, php, lamp, database and apply to nodes.

**Docker:**

* Docker we will prepare the Docker images according to our environments and run the containers like webservers, php, mysql.
* We will create docker containers and will give it to developres as per requirement.

**Vagrant:**

* For developer testing purpose we will spin up the vagrant boxes and give it to them.

**Nagios:**

* We use monitoring tool called nagios.and will add new servers in nagios for monitoring health checkup of servers.

**Ticketing Tool:**

* We use ticketing tool called BMC Remedy tool.
* Daily attend sprint calls means every 15 days one release.

**Day-To-Day Activities:**

My contribution is DevOps. I work on chef, puppet, ansible, Jenkins, Docker, vagrant AWS. Will follow CAB if any changes require.

I work on incidents, change requests, build, attending of CAB calls, weekly infra calls. And will create CRs (change requests) for planned changes. we get different types of incident tickets, like file systems full, CPU load is high.

File system extensions, to build new servers, removing inactive users who left fromthe organization, quarterly OS patching using configuration mgmt tools like chef, puppetansibleetc.

After getting the approval from CAB or any authorized people we will build servers in AWS by using cloud formation, AWS Console, commandline, knife EC2.