nipun.chawla1318@gmail.com   **NIPUN CHAWLA**   Contact No: +1-469-826-1556

Education:

The University of Texas at Dallas   Dec'16
Master of Science (M.S.) in Computer Science
Punjab Technical University   Jul'14
Bachelor of Engineering (B.E.) in Computer Science & Engineering

Work Experience:

Cloud Software/Infra Engineer   *BrainCorp, SanDiego, CA*   Present
(Go/Python,Kubernetes, AWS/GCP, Postgres, Proto3)
- Enable multi instance CI pipelines, configuration as code setup, helm charts for jenkins and artifactory.
- Webhook services to notify customers about image uploads, retries and alert policies
- Pub/Sub services calculating delta between squashFS images, api for supporting uploads, downloads and targeting fleet.
- Integrate Salesforce into cloud api's, defined schemas sent over from the business system for information down to robots.
- Grafana and prometheus instrumentation for app metrics visualization
- Lambda functions for alarming on application ELB, functions triggered by tag operations. Terraform for updating running apps on auto scaling groups in EKS
- Terraform modules for infrastructure setup such as ElasticSearch/RDS and analytics services on AWS
- Api for events handling and round robin database selection for read replicas.
- Jaeger tracing in the APIs for tracing using Elasticsearch backend.

Software Engineer in Platforms: *MicroStrategy, DC, US*   Mar'17-Dec'19
(Python, Kubernetes, AWS, Postgres)
- Develop micro services to manage the mstr environment.
- Write design docs and implement the event driven framework used to power the execution engine for the flows.
- Develop the server less workflows as part of the automation capacity to the mstr env
- Deploying these pods on AWS Kubernetes cluster using parent helm charts for the dependencies.
- Automate the processing of 'rally' user stories when build related changes (visitor design pattern using Java api).
- Lambda scripts on AWS to trigger events and SNS topics for notifications regarding build binaries.
- Using Jenkins and chef to run premerge testing for a fail-safe merge to production pipelines.
- Write ETL to pull data from Jenkins api and build logs, aggregating them in a Microstrategy dashboard.

Full-stack Developer Intern   *Walmart Labs, CA, US*   Jun'16-Dec'16
(Angular, Node, Python)
- Worked with the Walmart labs-InfoSec team to find the ownership of apps from github and hardware vulnerabilities
- Triggering and parsing Jenkins config.xml files to create a postgreSQL database inventory for jobs and related info.
- Creating web services for web applications and add reminder email features as cron jobs.
- Automating the ticket creation process through the JIRA API.
- Won the first prize in Intern-One hackathon for a prototype of an android app.

Dev-Tools/Software Intern   *Copart, TX, US*   May'15-Jan'16
(*Python, Ansible and Bash)*
- Automate creation of Sumologic sources and collectors hitting the APIs to configure multiple environments for log gathering.
- Used Perl to modify and health status of the resin and tomcat applications
- Bash FTP scripts for BTB clients (Samba server). Init scripts to manage the startup of applications.
- Python scripts to manage the logs and collectors on production servers on a centralized database.
- Web-pages to monitor health of resin and tomcat applications.

Mobile Engineer   *Oneinfonet, IN*   Jan'14-Aug'14

(SqlLite, Java)
- Built an Android App focused on to increase the 'women security' to eliminate molestation cases. This project used Java and SQLite on the Android Platform to send emergency messages.
- Use SQLite as the database engine for storing the template messages.

Trainee Programmer *Web1technologies, IN* May-Jun'12
(C#, HTML, CSS, Mysql)
- Developed modules and stored procedures for an online car rental site using ASP.NET as the front end and MySQL database as the back end.

<u>Certifications:</u>
- Kubernetes Certified Developer In-Progress
- AWS certified developer Jan'17
- RHCE (Red Hat Certified Engineer), RHCSA (Red Hat Certified Administrator) Jan'14
- Statement of Accomplishment in Computer Networks course (Coursera) and CCNA (training**).** Oct'13