

Anshum Gill

ENGINEER

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SKILLS

9 / 10

Ansible, Docker Python, Bash Scripting

8 / 10

Angular, Liquid, Bootstrap

7 / 10

Django, Flask, Spring Boot

10 / 10

Prometheus, Grafana, AlertManager

6 / 10

Java, C++, C

EDUCATION

B.Tech Computer Sciences

The NorthCap University

2016-2020

An Engineer with 2+ years of experience in designing and implementing multiple deployment architectures. Along with multiple project developments in Frontend and Backend technologies. Currently looking for new opportunities to work on innovative technologies and facing new challenges.

EXPERIENCE

Engineer

Hughes Systique Pvt. Ltd./ Gurugram, India / October 2021 – Present

Responsibilities

- Lead DevOps Engineer in team, handling multiple customer deployments.
- Providing L3 support on all our deployments.
- Setting up networking between remote servers and local Access Points by using **MikroTik** boards and **OpenVPN** Tunnel Technology.
- Designing and doing Proof of Concept activities for **Kubernetes** and **JenkinsX** for our deployment architecture.
- Developing scripts which allowed us to migrate **InfluxDB** Database.
- Developing deployment framework in **Ansible** from scratch increasing our CI/CD automation by 70%.
- Integrated **Ansible** with **Docker Registry** and **S3 Bucket** to store docker images of our services.
- Used **Python Threading** to improve Spring boot Health Exporter and make it **Asynchronous**.
- Mentoring and Training new employee hires in DevOps Technologies.

Achievements

- Recipient of 'Instant Award' for mentorship and providing training to company employees.

Associate Engineer

Hughes Systique Pvt. Ltd./ Gurugram, India / November 2020 – October 2021

Responsibilities

- Learned **Batch Scripting** to automate flashing of **OpenWRT** Routers.
- Adding support for custom parameters in **EasyCWMP** for an **OpenWRT** based Access Point.
- Setting up system level fail over protection by using **KeepAliveD**.
- Adding **Open Roaming** Support in Passpoint Release 1 Profile.
- Integrating Monitoring tools like **Prometheus** with **AlertManager** and **Grafana**.
- Adapting and ramping up on Agile Methodologies.
- POC activity regarding **Radsec** with **RadsecProxy** and **Freeradius**.

- Developing custom **metrics** inside existing **microservices** in **Spring Boot** which enabled us to monitor business specific use cases.
- Developing custom **exporters** for said metrics in order to plug it into our existing monitoring stack.

Achievements

- Recipient of 'Instant Award' for adding end-to-end CI/CD Pipeline support.
- Recipient of 'Instant Team Award' for successful and timely customer deployment.
- Recipient of 'Instant Team Award' for adding features to the projects AAA Service.
- Recipient of 'Instant Team Award' for my work on OpenWRT Project.

Trainee

Hughes Systique Pvt. Ltd. / Gurugram, India / January 2020 – November 2020

Responsibilities

- Developed a solution for detecting occupied or empty parking slots using live CCTV feed.
- Implementing **YOLO Object Detection** for identifying Cars in predefined Slots.
- Using **Orion Context Broker** as our messaging service.
- Using **Django** to create a frontend where users can view availability of slots.
- Developing APIs on different servers using **Flask** to export information collected from CCTV Feeds.

Founder/Sole Developer

Polished Pixels / Delhi, India / November 2020 – Present

Responsibilities

- Developed **Portfolio** website for myself (<https://anshumgill.me>) using **Angular** and hosted using **Netlify** Platform along with **GitHub**.
- Developed the following E-Commerce websites, on **Shopify Platform** creating custom theme from scratch for client in **Liquid Templating Language**.
 - LQI Smoothies (<https://www.lqibev.com>)
 - Awsum (<https://getawsum.com>)
 - NB Living (<https://nbliving.in>)
- Developed Showcase website, VS Munro Designs (<https://vsmunrodesigns.com>) using **Angular** and hosted on **Netlify** Platform along with **GitHub**.

Miscellaneous Projects

- Developed a **Blockchain** based Voting App as a College Major Project using **Django** and Smart Contracts in **Solidity** for processing votes.
- Developed a Dashboard to view all available vaccine slots during the second wave of the pandemic using **Flask** and open APIs of Govt of India as well as automated authentication-based APIs using **Selenium** in **Python** with **Flask**.
- Created AI Model for Pneumothorax Identification in Chest X-Rays using **ResUNet Neural Networks** Model.