Akash Saini

akash2237778@gmail.com | 8882237778 | | linkedin.com/in/akash-saini-ak7778/ | akash2237778.github.io

EXPERIENCE

Developer Envanglist, StatusNeo Inc., Texas, US *Sep 2020 - Present*
- Wrote 70% of end-user guide on using GitHub for 6+ functionalities, included git basics, markdown, action.
- Worked with recruiting team and perform supervised research on technical content for interns.
- Executed under DevOps environment, using DevOps tools like JIRA for work management.

DevOps Engineer Intern, **Smart Joules Pvt. Ltd.** *Feb 2020 - Apr 2020*
- Uncover use of container in a real environment and containerized 3+ applications using Docker.
- Learned container monitoring and orchestration via Kubernetes and Automated application deployment on Kubernetes.
- Used Jenkins to drive all microservices builds to DockerHub and then deployed to Kubernetes.
- Worked with DevOps environment, with regular sprint retrospective and work management using JIRA

PROJECTS

Attendance System with Temperature Monitoring
- Developed a contact-free attendance system with temperature monitoring to detect fever and generate alerts.
- Used MLX90614 Infrared Thermometer to record temperature and camera to recognize the face.
- Firebase and Flutter are used for monitoring and alerts making it cross-platform deployable.
- Configured whole system on Pi 4 in organized box, for making it ready-to-deploy.

AR Techo
- Mobilized deployment & management of services (EC2, Docker) using Mixed Reality (AR+VR) contains 10+ operations.
- Application can provision and configure software like HAproxy, Apache webserver, Hadoop on instance, or local system.
- Utilized NFC's to get node data and to add, activate/deactivate in ansible inventory using Python CGI scripting.

OPEN-Mobile
- Developed and Maintained an open-sourced community Application, deployed on Playstore, rated 5 stars.
- App used Flutter and firebase to gave access to real-time updates on events, open-source projects, news to members.

AR Book
- Developed a mobile application using Vuforia SDK (Unity) which uses AR to augment 3D models over book.
- Devised a science book that gave students a clear understanding of topics by using AR model and speech.

SahYog
- Streamlined an application using Android, Parse server to create a platform for mutual help to provide & receive service.
- Integrated Maps API which allows to accept, create requests, & communicate, track live location of the service provider.

EDUCATION

Bachelor of Technology with specialization in DevOps, *Aug 2018 - Present*
University of Petroleum and Energy Studies GPA: 8.45

SKILLS

Languages: JAVA, Dart, C++, C, Python (Linux Scripting), Bash Scripting
Skills, Tools and Technologies: Data Structures and Algorithms, Ansible, Ceph, Jenkins, Linux Security and Encryption, Network Manager, Git, Firebase, AWS, Hadoop HDFS, Kubernetes, Docker, Maven, SQL, NoSQL, YUM, Flutter, Android, HAProxy.
Operating Systems: RedHat Enterprise Linux 7/8 , Ubuntu, Android, Windows 7/8/10, Raspbian

Certifications

- Red Hat Certified Specialist in Ceph Storage Administration : Oct 2019 - Oct 2022
- Red Hat Certified Specialist in Ansible Automation : Aug 2019 - Aug 2022
- Red Hat Certified Engineer : Sep 2019 - Oct 2022
- RedHat Certified System Administrator : Jun 2019 - Oct 2022
- CCA JAVA level 2

Additional Experience and Awards

- Secured 2nd position in CSI-Hackathon DIT 2020.
- Presented with "Innovative Idea award" CSI-Hackathon UPES 2020.
- SDE Coordinator - OPEN UPES - Maintainer and collaborator of OPEN-Mobile, Auto-Infirmary. Aug 2019 - Present
- Web Development - UMBEO Tech - Created a landing page using WYSIWYG. : Dec 2018 - Jan 2019
- Technical Core-Committee - Computer Society of India - Developing and managing technical events. : Aug 2019 - Jul 2020