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Objective

Intend to work as a developer, gain experience and excel in a highly competitive environment where in there is a wide spectrum of opportunities to improve my skills and put them to optimum use, which would ensure the company's and personal growth.

Summary

- B.E 3+ years' of experience in IT industry with end-to-end development including requirement analysis, feature design, development, implementation using **C** and unit testing using **Python**.
- Worked in **Agile methodologies** in development and participation during the requirement phase, reviewing peer's code for quality and completeness. Identify development issues, brainstorm on issues until the issue is resolved.
- Possess excellent trouble shooting skills in **RCA and fixing them. Unit testing, Application Integration, debugging & troubleshooting** of the different network applications.
- Oversee smooth implementation of the project at client location.
- Experienced at working - in **C, Python and MySQL**.
- Good hands-on knowledge of **Source Code Management** (Version Control System) tools like **Git**.
- Proficiency in programming with Python IDE's like **Jupyter Notebook** and **vim**.
- Ideal knowledge on DevOps tools **Dockers** and different data visualization tools like **Grafana and Kibana**.
- Proficiency in data manipulation using multiple DB's like **MySQL, Elastic Search** for smooth **data visualization**.
- Proficient with different Network domain – **VSX, VLANs**.
- Passionate developer with an eye to learn new technologies and put to good use.

Experience

- Currently working with **Hewlett Packard Enterprise** as Senior Software Engineer.

Qualifications

- B.E from *Sri Jayachamarajendra College of Engineering, Mysuru* (2016) with a CGPA of **9.6**.
- 12th in *Sainik school Bijapur* from C.B.S.E board (2012) with an aggregate of **90.8%**.
- 10th in *Sainik school Bijapur* from C.B.S.E board (2014) with an aggregate of **91.2%**.

Project Experiences

Project – Aruba's AOS-CX Campus switches

Project Duration – June 2017- Present

Technologies – C , Python scripting, Docker, OVSDb, , Git, Gerrit, IXIA, WireShark, tcpdump.

Modules :

➤ **Virtual switch Extension (VSX):**

Virtual Switch Extension (VSX) is an extension of Multi-chassis Link Aggregation which enables Live software Upgrade and zero downtime during network events. Also enabled VSX Configuration sync between VSX peers such that configuration can be synced automatically from primary VSX to secondary VSX.

➤ **Switch Config-Consistence validator:**

This framework takes running-configuration of the switch as input and parsers the running-config, runs some validation rules which are defined over the running-config and returns errors if any in the running-configurations. This framework is very useful at the customer sites as configurations are huge. The framework is being built in such a way that rules can be added incrementally based on the need.

➤ **Precision Time Protocol:**

Worked on Precision Time Protocol (PTP) that defines a master-slave hierarchy to transport frequency, phase and time in dedicated timing packets across a packet network, from a single point in the network, known as a master clock, to multiple slave clocks.

Roles and Responsibilities:

- Designed and implemented various modules of VSX feature and wrappers on Halon platform.
- Worked Configuration Sync feature for syncing VSX configurations and other enhancements.
- Did end-to-end development including requirement analysis, feature design, development, implementation of code and unit testing.
- Solved bugs/issues raised by various customer and internal test-teams on various modules such as VSX, VLANs, MLAG and VSX-Sync.
- Developed the Python framework for Switch configuration validator.
- Gained experience of working on docker containers.
- Followed AGILE processes for the implementation of new features/enhancements.
- Mentored interns on project related to Network Analytical Engine on ArubaOS-CX.
- Working on Implementation of PTP profiles in Aruba switches

Project – Next Generation Data Centre Transformation

Project Duration – Jan 2020 – Aug 2020

Technologies – Grafana, MySQL, Kibana

Modules :

➤ **Data Visualization using Grafana and Kibana:**

Primary focus was to develop dynamic visualization dashboards to using Grafana for Data center asset management and help organization get key insights and a holistic view of the Data center.

Roles and Responsibilities:

- Explored different data visualization tools.
- Created Different Visualizations using Grafana for Asset DB management.
- Involved in requirement analysis, use cases and DB design with database team.
- Write SQL queries to at the backend to fetch asset DB data
- Developed Dynamic Dashboards using Variables and Templates feature of Grafana.

Achievements

- Was awarded “*honorary mention*” for the technical paper on “IoT Classification with Taxonomy Discovery, Insights and Novelty Detection” in Technical Forum at HPE.
- Was rated Good performer (Accelerating) in the team for the year 2018.
- Presented a Poster on “HPE – ARUBA and AI” at the Analytics Community open house event at HPE.
- Presented a research paper on “Classifier with Deep Deviation Detection in PoE-IoT devices” at the IEEE CONECCT 2020.
- Gold Medal Awardee for B.E programme for securing highest CGPA.

Co-curricular Activities

- Have passion for Photography and trekking.
- Participated at the district level Independence Day parade competition.
- A NCC cadet with A and B certificate and participated in adventure camp held at Vijayapura(Karnataka) and Nainital (Uttarkhand).
- Was a key member of Lets Do it Mysuru.