RAAJEIVE K

Software Engineer with 2+ years of experience in Tool Development and Automation.

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EXPERIENCE

Software Engineer
Hewlett Packard Enterprise R&D

📅 July 2019 – Present   📍 Bengaluru, Karnataka

- Involved in Design and Development of **Aruba Lab Reservation Tool** using **Mongo DB, Express JS, React** and **Node JS**, which helped manage 8000+ network devices.

- Involved in developing Network Auto-Discovery of switches using **REST/SNMP, Node JS** and **Python**.

- Involved in the development of **Triage Tool**, which reduced the manual efforts in triage and reporting of automated test executions using **Mongo DB, Express JS, React** and **Node JS** web stack and **Python**.

- Developed **Feature Parity Checker** using python for check-in analysis in **Jenkins** to prevent incorrect check-ins.

- Involved in developing **Boot Characterisation** scripts which helped in identifying critical issues in low-end Aruba Switches using **Python**.

- Involved in developing a networking daemon health monitor to help baseline and analyse behaviour of L3 protocols such as **OSPF** and **BGP** in Aruba Switch builds using **Python**.

- Automated the evaluation of convergence time characteristics of L2 protocols such as **STP, ERPS** and **Loop Protect** using **Python**.

R & D Intern
Hewlett Packard Enterprise R&D

📅 January 2019 – July 2019   📍 Bengaluru, Karnataka

- Involved in Automation testing of various L2 and L3 networking protocols such as **ARP, ERPS, OSPF** and **Security Features** using **Python** and **Automation Test Framework**

- Developed web tool to generate **AOS-CX** configuration commands for a given **AOS** configuration commands using **Flask and Python**.

EDUCATION

Bachelor of Engineering (BE), Electrical and Electronics Engineering

PSG Institute of Technology and Applied Research

📅 2015 – 2019   📍 Coimbatore, Tamil Nadu

Relevant Courses: C and C++ Programming languages and Object-Oriented Programming.

TECHNICAL SKILLS

- **Programming Languages:** C/C++, Python, Javascript

- Data structures and Algorithms

- **Web Tech:** ReactJS, NodeJS, Express, Flask

- **Databases:** MongoDB, PostgreSQL, MySQL

- **Others:** Linux, Git, JIRA, pytest

OTHER ACTIVITIES

- Participated in Aruba Hackathon 2019 in a team of 3 and designed **"The Policy based correlation between L2 and L3 interface MTU"** for Matrix ASIC.

- Received **"Person of Excellence - Recognition"** from HPE, Aruba for performance from September 2020 to August 2021.