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VIVEK SAHOO

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CLIENT

Senior Software Engineer	Intel	Oct 2019 - Present
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- Working as a part of the LAM team, design and build service API's that let the user view, control and keep track of the TAG and Gateway devices. Implemented the config packet structure which includes the configuration value of the devices and sensors details. Developed Pub/Sub model for sending downlink messages to the device. Used whitelisting mechanism for Gateway device.
- Built an internal service which is continuously listening to the Gateway and Application server of TTI stack. Based on the gateway report, it is updating the location and the TAG device status. Based on each device uplink report it decodes each sensor packet structure and sends the sensor data towards the TIG stack. Users can monitor the device sensors data on Grafana. Integrated each micro services with containerization and container orchestration manager layer for reusability, easy scalability and better performance.
- Developed a UDP server module which is kept on receiving a LoRaWAN packet from the packet forwarder and it decodes that packet, constructing a protobuf message format which is then received by Gateway server of TTI stack.

Software Engineer	Cisco	June 2017 – Sept 2019
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- Worked as a part of the Cisco Migration Platform (CMP) team. CMP tool is extensively used by Cisco Network engineering team to migrate the Network devices for the Cisco Customers effectively.
- Built a few micro services which are handling device information, parsing the config and analyzing the report. Containerized all the services and managed by container orchestration.
- Developed CCC tool which takes an IOS formatted configuration file from the user, convert cli commands to their equivalents appropriate for an IOS-XR system, and present the converted results to the user in an interactive manner that allows the user to analyze the efficiency of the conversion.
- Built a script which will gather quarterly reports of tool usage. Used regular expressions for matching, searching and manipulating the string. Implemented parser for new customer onboard.

Languages and Technologies

- Programming Languages – Python, Java(Basic)
- Operating System - Linux, Windows
- Database - MySQL, Postgresql, Cassandra
- Frameworks and tools - Flask, MQTT, REST API, Dockers, Kubernetes, Git, Swagger API, TCP/UDP, Protobuf, IntelliJ IDEA
- Others - GitHub, Grafana, Rally, Jira, PgAdmin, TTI stack, TIG(Telegraf, Influx, Grafana) stack

EDUCATION

Bhubaneswar, India	Gandhi Institute for Education and Technology	July 2012 - May 2016
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- B.Tech in Electrical and Electronics Engineering. CGPA: 7.61/10.

EMPLOYMENT HISTORY

Senior Software Engineer	Sasken Technologies	2017-Present
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- Working in Sasken clients from the past 3 years.

ACHIEVEMENTS

- Got Spot Award twice in Intel, one given for Exceptional contributor in a quarter and another one for Star contributor.