

Ramandeep Kaur

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SUMMARY

Experienced Backend Developer with over 9 years of expertise. Eager to utilize my technical skills and experience to tackle new challenges and contribute to innovative projects. Proficient in direct customer interfacing both on-site and off-site. Highly organized, customer-focused, and capable of working independently as well as collaboratively within a team

QUALIFICATIONS

- Experienced in working across multiple domains, including Open-Source, Telecom, and Kubernetes Platform.
- Proficient in Golang, Python, Ansible programming and shell scripting.
- Highly proficient in FTTx, Kubernetes, Docker.
- Experienced ORAN 5G/LTE and L3 stack.
- Experienced in deploying and managing ONUs(Broadcom,Huawei, Nokia), and OLTs from leading vendors, including hardware and software configurations.
- Experience working with GIT, JIRA, TM500, Bugzilla & Wireshark.
- Experience working in LINUX environment and well versed with Linux commands.
- Good analytical, debugging, and critical thinking skills.
- Great interpersonal, communication skills and capable of adapting new technologies.

EDUCATION

Banasthali University, Rajasthan — *M.Tech*
Information Technology
June 2012 - August 2014

SIRT RGPV, Bhopal —*B.E*
Information Technology
July 2008 - April 2012

TECHNICAL SKILLS

- Container Platforms: **Kubernetes, Docker**
- Programming Languages: **Golang, Python, Ansible**
- Scripting Languages: **Bash/Shell scripting**
- Operating Systems: **Linux, Windows**
- Spec: **ITU-T G.984 (GPON),ITU-T G.987**
- Tools: **Wireshark, TM500, JIRA, Git, Jenkins, Bugzilla, Prometheus, Grafana, Kibana, kafka.**

EMPLOYMENT HISTORY

Dell Technologies – Software Principal Engineer

December 2022 - Present

Project: Common Management orchestration

This project offers kubernetes orchestration with platform management. It creates a common software stack for Management and Orchestration that can be adopted & integrated into product offerings. It provides support to VM, Dell Bare metal hardware for suse, redhat and ubuntu operating system.

Responsibility:

Works developing Node Controller to support Node Maintenance operation.

Works as Logging component owner.

Istio and networking issues addressed and resolved issues .

Bug Fixing and new feature support like node maintenance mode, scaleup , upgrade etc.

Drive Team as Product Owner, follows the Agile process.

Works deployment of CMO over azure cloud.

Skills: Ansible, Golang, kubernetes, Azure cloud

Sterlite – Technical Lead

December 2018 - December 2022

Project: Programmable FTTx SDN

Teleco customers based projects on SDN technology. It provides support for Fttx optic communication architectures that bring high-speed broadband internet and other communication services closer to end-users.

Responsibility:

Work on open source code of vOLTHA Community Code. Provided High availability (HA) features vOLTHA source code.

Enhance Load balancer Envoy Golang code to handle scaling Scenario Work on Kubernetes deployment for HA feature support across microservices.

Work on ONU /ONT side feature development by following G988 specifications. Involvement in designing and developing resource controller microservices. Work on Disaggregated-OLT aligned with BBF's TR383 and WT477,WT451 . Developing Igmp microservice in Golang.

Enhance vOMCI microservice to support different vendors following WT-477 and WT-451 specification.

End-to-end feature delivery of customer requirements. Debugging real time issues in customer test environments.

Skills: Golang, Python, Kubernetes, Kafka, Microservices, ETCD, SDN, NETCONF, YANG, gRPC, OMCI, Elasticsearch DB , Prometheus

Aricent – Software Engineer

January 2015 - December 2018

Project: ENBAF Automation Tool For INTEL BOARD Automation

This is a tool for end-to-end Automation development of LTE feature testing.

Shell scripting & Developing window Batch Script For Integration .

Responsibility:

Integrating Existing Automation Setup with Jenkins.

Bug handling and Managing Database(Mongo DB) .

Developed Batch files to make files platform independent accessible from windows Machine

Project: STAR Automation Tool for eNodeB intel hardware

Worked with Automation tool development team for 5G gNodeB & LTE project. Develop backend libraries and APIs for automation tools.

Responsibility:

Building API for Automate Access to eNodeB in STAR Automation Tool.

Develop Module which provides Support to access Lab equipment through STAR Framework by building access API's.

Build Libraries with respect to the functionality of Equipment needed to support through Automation.

Containerization of STAR Framework using docker.

Skills: Python, Shell, L3 stack