

Contact

www.linkedin.com/in/tanaypatel1996 (LinkedIn)

Top Skills

Internet Protocol Suite (TCP/IP)
Kubernetes
Python (Programming Language)

Languages

Hindi (Native or Bilingual)
Gujarati (Native or Bilingual)
English (Full Professional)

Tanay Patel

Software Test Engineer II - 5G System Validation at Corning Optical Communications
Santa Clara, California, United States

Experience

Corning Incorporated
2 years 8 months

Software Test Engineer II - System Validation
December 2022 - Present (5 months)
San Francisco Bay Area
mmwave and Sub-6

5G Software QA Engineer
September 2020 - December 2022 (2 years 4 months)
San Francisco Bay Area
Part of the Platform team.

Insight Data Science
DevOps Engineering Fellow
May 2020 - September 2020 (5 months)
San Francisco, California, United States

- Designed a Kubernetes based data pipeline solution by running Kafka on Kubernetes which allows organizations to simplify operations such as upgrades, scaling, restarts, and monitoring.

- Attained the high-availability and fault tolerance of the data pipeline by containerizing the Kafka brokers as pods in Kubernetes.

- Provisioned a 10 node Kubernetes cluster using Terraform and used Confluent Kubernetes Operator to successfully deploy the Kafka cluster.

- Deployed Datadog agents as a daemon set inside the cluster nodes to monitor the infrastructure.

CommScope
Software Engineer Intern - Division: Ruckus Networks
June 2019 - August 2019 (3 months)
San Francisco Bay Area

- Developed code using Python with Ruckus Small Cell Software Development team for fetching statistics periodically from the Ruckus Q710 and Ruckus Q900 series access points deployed indoor and outdoor environments.

- Achieved one-click simultaneous generation of statistics for multiple record ID's running on an instance of an Access point, enabling the creation of multiple CSV files for numerous record IDs.

- Classified statistics which contained Protocol Data Units, Standard Data Units and other fields for the goal of improvising and predicting throughput of small cell access points.

Doordarshan Kendra

Summer Research Intern

June 2017 - July 2017 (2 months)

Ahmedabad, Gujarat, India

- Industrial training under the Doordarshan television network, a company that broadcasts channels all over the country.

- Ensured team compliance to develop an antenna to improve the quality of broadcasting.

- The antenna was designed and simulated using HFSS 13.0.

Education

San Jose State University

Master's degree, Electrical and Electronics Engineering · (2018 - 2020)

Nirma University, Ahmedabad, Gujarat, India

Bachelor's degree, Electrical, Electronics and Communications Engineering · (2014 - 2018)