

RIPUDAMAN FLORA

Software Engineer & Challenge Seeker

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📍 Ottawa, Canada



EXPERIENCE

SIT Prime / Software Engineer 2

Ciena

📅 2018 - Ongoing 📍 Ottawa, Canada

Provides Network Solutions for Optical Transport and Switching, Carrier Ethernet, Data and Broadband Networks

- Leading the migration from Bitbucket to Gerrit.
- Developed a script using Bash to automate auto-propagation from source branch to target branch which would save a designer an average of 30 minutes per delivery.
- Creating and running automated nightly builds while including sanity tests to discover any newly produced bugs earlier; reducing bug fixing time from 1-2 days to a few hours.
- Saved at least 4 hours of work by writing a script using Python to ensure that repetitive tasks such as "splitting the branches" are not done manually and that human errors are eliminated.
- Wrote a Python script to auto-promote JIRAs status; eg. status from In Progress to Ready to Build, Ready to Build to Ready to Test, etc.
- Setting up and maintaining automated build scripts in Jenkins which are written in Bash and Python.
- Configuration and automation of the build process for Continuous Integration.
- Worked across teams to provide solutions that ensure quality from requirements to delivery stage.

Software Developer

Ericsson

📅 2014 - 2018 📍 Ottawa, Canada

Ericsson is one of the leading providers of Information and Communication Technology (ICT) to service providers

- Led the network introduction activity for L17.Q3 and 17.Q4 at CMCC in Changzhou, China. Aided regional competence development and drove project execution towards roll out.
- Traveled to Poland to conduct in-depth training on troubleshooting Automated/Manual QA (Functional) test suites and test cases to be transferred.
- Improved efficiency, and readability of DLFSS test suite, written in Erlang, through code refactoring, optimization, and documentation which brought down run-time by 75%.
- Used Python to create a tool which scrapes information from the SQL database and plots different telemetrics which help to visualize utilization of lab equipment throughout the site.
- Created IoT Cat-M Web GUI using HTML, CSS which was demoed live in Atlanta and Saskatoon.
- Used Erlang & JCAT, both proprietary test automation frameworks based on TestNG to automate test suites/test cases after discussion with the key stakeholders, to design and develop optimal solutions.
- Reported defects/bugs in MHweb and tracked defects/bugs in JIRA until resolution.

SKILLS

Programming Languages

Python

BASH

ERLANG

Tools

Jenkins

JIRA

Gerrit

MHweb

Eclipse

Hansoft

Aeroflex

ACHIEVEMENTS



Hackthon, Ericsson

Awarded 1st place in a hackathon competition (Ericsson, 2015) for improving an existing tool that helped testers perform a deeper analysis of KPI at a 60% faster rate than before, using Python.



Innovation Competition, Ericsson

Awarded 1st place in a hackathon competition (Ericsson, 2015) for improving an existing tool that helped testers perform a deeper analysis of KPI at a 60% faster rate than before, using Python.

EDUCATION

Software Engineering

McMaster University

📅 2014

- B.Eng in Software Engineering where coursework included software testing, databases, human computer-interface, and software design - capstone project.