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EDUCATION

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

PROFESSIONAL EXPERIENCE

SIT Prime, Ciena, Ottawa, Ontario, Canada   April 2018 - Present
- 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.
- 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.
- Responsible to provide and/or restrict permission to authorized people for their Gerrit code review.

Software Developer, Ericsson, Ottawa, Ontario, Canada   May 2014 - April 2018
- 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 telemeteries which help to visualize utilization of lab equipment throughout site.
- Identified and analyzed test logs to resolve complex software issues.
- Reported defects/bugs in MHweb and tracked defects/bugs in JIRA till resolution.
- Awarded 1st place in an innovation competition for presenting a proposal to automate a manual step which reduced execution time by 95%.
- Used Erlang & JCAT, both proprietary test automation frameworks based on TestNG to automate test suites/test cases after discussion with Test Manager, Designer, etc, to design and develop optimal solutions.
- Awarded 1st place in a hackathon competition for improving an existing tool that helped testers perform a deeper analysis of KPI at a 60% faster rate than before, using Python.
- Worked in a software Agile/Scrum team environment.
- Followed Agile testing methodologies while planning, designing, and verifying the functionality of newly developed features.
- Supported the setup and maintenance of different test rigs including different combinations of devices such as Aeroflex, Qualcomm UEs, Iphones, enodeB, etc.
- Actively involved in peer review of test suite/test case creation and maintenance through Gerrit.

TECHNICAL SKILLS

- Programming Languages: Python, Bash scripting, Erlang, JCAT, Java
- Tools: Eclipse, Hansoft, Wireshark, Aeroflex, QXDM, UE Control, Jenkins, JIRA, Gerrit & MHweb.