

VASUDEV MEHRA

CONTACT

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SKILLS

PROGRAMMING: C, C++, Python, Matlab, HTML, SQL
SERVICES: Docker, Kubernetes, AWS EC2, AWS S3, Travis CI, Git, Charles Proxy, PostgreSQL, pgAdmin
TOOLS: FPGA Design (Altera), Microsoft Service Center, Jira, Putty, Active Directory, CommVault, SSH, TestRail, Modbus, BeagleBone Black
LAB EQUIPMENT: Oscilloscope, Multimeters, Signal/Function Generators, Spectrum Analyzer, HMI

EDUCATION

University of Waterloo Sept. 2014 to Apr. 2019
BASc Honours Electrical Engineering (Co-op) Management Sciences
Option(with Distinction)

President's Scholarship of Distinction
Engineering International Student Scholarship

PROJECTS

iDispose - 4th year Capstone Project
Implemented sensors like weight, visual to identify different types of waste.
Incorporated machine learning to train our model.

AM/FM Replication
Replicated Amplitude Modulation and Frequency Modulation radio receivers.
Implemented modulation and demodulation for double-sideband and narrow band and wide band carriers. Also, implemented analog to digital conversion of signals.

Traffic Light Controller
Implemented a traffic light controller using peripherals connected to the microprocessor by setting up and using Input/Output ports and used interrupts and polling to trigger interrupt service routine

AWARDS

Udemy · Docker and Kubernetes: The Complete Guide
May 2020
Credential URL: <http://ude.my/UC-d5e3ece8-55ac-45f9-ad08-f8e0940ff777>

Udemy · Agile Project Management
May 2020
Learned about the key and most important concepts and tools of Agile Project Management.
Credentials URL: <http://ude.my/UC-6a0fdf4b-7f62-436c-9ff3-400838db887a>

Udemy · Python Scripting for Software Testers
Apr. 2020
Credentials URL: <http://ude.my/UC-556cfd13-a35c-4a85-800d-a93f106cc6ca>

Maple Leaf Foods · Lean Six Sigma - White Belt
Mar. 2016

University of Waterloo ·
Workplace Hazardous Materials Information System (WHIMS)
Sept. 2014

EMPLOYMENT

Welbilt Inc.
Mississauga
Software Test Engineer · Dec. 2019 to Apr. 2020

- Developed a data logging feature for existing hardware in python for 30 days retention
- Worked on BeagleBone Black (Linux development platform) to reverse engineer and resolve existing bugs to perform automated tests.
- Understood and learned new hardware and tested multiple SIBs for different products.
- Updated test plans, created test cases, and test scenarios for assigned functional areas. Executed test cases and logged and regressed bugs.
- Created functional requirements specification documents and test plans.

Independent Electricity System Operator (IESO)
Mississauga

Systems Administrator (Co-op) · Jan. 2018 to Apr. 2018

- Managed Production and Non-Production (Windows and Linux) servers, upgraded hardware, and tested various servers.
- Created a script to extract the list of production and non-production servers from the satellite servers.
- Installed security patches and software upgrade for production servers as well as project management, and technical documentation.
- Mentored a new onboarding employee to better understand the tasks, responsibilities, and the dynamics of the team.

Symbility Intersect
Toronto

QA Analyst (Co-op) · May 2017 to Aug. 2017

- Handled multiple client releases through biweekly sprints using the Agile development process.
- Created and ran complex test suites to thoroughly test upcoming Android and iOS applications using Test Lodge.
- QA Lead for one of the major clients.
- Ran various testing like functional, exploratory, cross-platform, sanity, regression, and parity testing.

Asigra Inc.
Toronto

QA Analyst (Co-op) · Aug. 2016 to Dec. 2016

- Designed test plans and defined cases for functional, integration system, and performance testing.
- Tested the compatibility of third-party applications like Salesforce, SharePoint, O365 with Asigra's software.
- Used Bugzilla and Jira for the repository, reporting and tracking bugs, and providing updates on resolved bugs.

Maple Leaf Foods
Mississauga

Technical Projects Specialist IS- Support (Co-op) · Jan. 2016 to Apr. 2016

- Created SharePoint team sites.
- Built weekly and monthly compliance reports.
- Used Microsoft Service Centre (SCOM and SCSM) to analyze and resolve some of the IS issues.
- Built KPI reports, monthly C3 compliance reports, and publish the results in SharePoint.

CSA Group
Toronto

IT Analyst (Co-op) · Jan. 2015 to Apr. 2015

- Configured and deployed new infrastructure (computers, printers, VoIP phones, software)
- Played a key role in the deployment of O365 and Firefox across the enterprise.
- Provided 1st level desktop, network, and Wi-Fi support to end-users.