




Sadrudin Hashmani

2B Systems Design Engineering

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Profile

An emotive aspiring engineer with a passion to work with people and tools and a determination to lead using a multidisciplinary approach with proven technical and management abilities.

Summary of Qualifications

- Strong understanding of object-oriented programming with C++, Java and Python
- Knowledge of web development using Javascript, Twitter Bootstrap, HTML5 and CSS3 including understanding of backend technologies such as Flask and MySQL
- Experience with setting up LAMP servers on EC2 instances using Amazon Web Services (AWS)
- Extensive experience with automating test plans using Bash scripts with Android debugging tools in a Linux/Unix Shell
- Familiarity with hardware programming and digital circuit design using Arduino and graphical design in SolidWorks
- Proficient in MS Office Suites, including MS Project and MS Visio with advanced skills in creating large-scale complex relational databases using MS Access
- Proficient in SDLC and PDLC methodologies such as Waterfall and Agile development strategies
- Outstanding project management and technical skills refined during co-op placements at Seeq, Zynga and CGI and the establishment of an environmental project, Your Environmental Voice
- Excellent leadership, mentoring and team building skills developed as Dorm Captain at the Aga Khan Academy, Mombasa, Kenya (AKAM, K)
- Strong communication and oratory skills polished by involvement in the Model United Nations' activities
- Exceptional multitasking skills and the ability to prioritize and meet strict deadlines as acknowledged by my supervisors at Seeq, Zynga and CGI
- Ability to communicate in English, French, Urdu, Hindi, and Swahili (basic) with exceptional adaptability competencies

Professional Experience

Seeq, Seattle, WA – Software Developer

May 2015 – August 2015

- Contributed to the continuous development of the application's backend infrastructure
- Built CRUD operations to expand Seeq's existing APIs using RESTful annotations in Java
- Created Python build scripts to generate client SDKs in Java, Python and C Sharp using the Swagger framework
- Used the Swing framework in Java to create a user interface to help users enable or disable system passwords to enhance application security
- Built functionality for Seeq to operate as a service on Windows
- Set up a centralized AWS server to host all of Seeq's cloud services

Zynga Inc, Toronto, ON – QA Analyst/Software Engineer in Test

Aug 2014 – Dec 2014

- Tested all games part of Zynga's "With Friends" games division on Android and iOS devices and used JIRA for logging/tracking bugs
- Used Bash Shell Scripting and Android debugging tools to automate test plans for Android devices
- Used a photo recognition framework in Bash to allow for automated scripts to provide feedback to tester

- Processed online order requests to image and encrypt laptops for CGI employees and replenish stock through CGI's ticket tracking systems *Ensemble* and *Remedy*
- Used MS SharePoint tools to run search queries to mine data instrumental for the forecasting of future needs

Relevant Projects

- **Polilytics, Sept 2015 (In Progress)** – Building a web application using the Indico and Twitter APIs to extract political information from tweets to analyze public opinions on Canadian election candidates
- **Price Alert, Hack the North, Sept 2015 (Winner of the Bloomberg API award)** – Created a financial web application using the Flask framework, and the Bloomberg, Highcharts and Twilio APIs that alerts investors when index prices meet input criteria. Currently working with team to bring product to market
- **Personal Website, Dec 2014** – Created a personal website using HTML/CSS and Javascript (www.hashmani.com)
- **Patient Kinect, YHack (Yale Hackathon), Oct 2014** – Created a backend database using PHP and MySQL to store patient information for a web application designed to monitor patient behavior using a Microsoft Kinect
- **Learning Web – Hack The North, Sept 2014** – Created an educational website for students to find resources to learn web programming languages (sadu99.github.io/LearningWeb)
- **Hardware Project, Aug 2014** – Programmed a hardware circuit using the Audrino IDE and an Arduino to demonstrate a home security model
- **East African, Model United Nations, 2012** – Represented AKAM, K in both national and international sessions in Nairobi, Kenya and in Geneva, Switzerland

Volunteer Experience

Your Environmental Voice (YEV) – Team Leader and Logistics Supervisor Nov 2011 – Present

YEV, in collaboration with Making a Difference Projects, aims at providing a platform to the masses so that they can voice their issues, and consequently, have them addressed

- Launched organizational website www.yourevoice.net to create awareness about environmental and social issues in Mombasa, Kenya
- Managed multiple healthcare, food and water shortages projects for the populations of Bombolulu and Kilifi in Mombasa
- Sourced resources including funding of approximately \$3000 and allocated funds as part of my Logistics Supervisor responsibilities

Education

- Sept 2013 – Present: Candidate for Honours Systems Design Engineering, Co-op Program, University of Waterloo, Kitchener, Ontario, Canada

Awards and Scholarships

- September 2013 – University of Waterloo, Ontario, Canada: President's Scholarship
- January 2013 & June 2012 – AKAM, K: Residential Service Project Award & Dorm Captain Award
- 2011 – 2013 – AKAM, K: First and Second Honors Awards in four of the five study terms