Mohamed A. A. **Haseeb**

Software Engineer · Scrum Master

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Experienced software and systems engineer, with strong passion and patience to explore and learn new things. I am interested on automation in general and in particular using machine learning for that.

Education

KTH (Royal Institute of Technology)   *Sweden, Stockholm*

Master of Science in Machine Learning   *Sep. 2014 - Exp. Nov. 2016*

- Selected Courses: Advanced Machine Learning, Artificial Neural Networks, Pattern Recognition, Artificial Intelligence, Search Engines, Parallel Computations for Large Scale problems
- Selected projects: Learning to play Packman with reinforcement learning using neural networks. FANN neural network library was used.(**Youtube link**)
- Selected projects: Implementing a deep neural network for a speech recognition task, using Caffe deep learning framework.

University of Khartoum   *Sudan, Khartoum*

Bachelor of Science (Honour) in Electrical and Electronic Engineering   *Nov. 2002 - Jul. 2007*

- Discipline: Communication Systems
- GPA: 7.65/10 (top 5%)
- Thesis: Design and Implementation of an IPv6 Firewall

Honors & Awards

2007   **1st Place, Best Electrical Engineering Graduation Project**, Association for the Promotion of Scientific Innovation   *Sudan, Khartoum*

Skills

Methods	Agile, Scrum
Programming	Java, Python, C/C++, Bash, SQL, Lua(Torch), TCL(Expect), Perl, C#
Machine Learning frameworks	scikit-learn, Caffe/digits, FANN, torch, tensorflow (started learning)
Backend	Mysql, Spring, ORM(Hibernate), RESTful Services
Frontend	HTML, JavaScript(AngularJS), Bootstrap, D3.js, Android
Cloud technology	Google App Engine (GAE), OpenStack, Amazon Web Services (AWS)
Sw. Dev. pipelines	Junit, Git/Gerrit, ClearCase, Maven, Jenkins, Artifactory, Nexus, Eiffel
Languages	English, Arabic

Experience

Ericsson AB   *Sweden, Stockholm*

Software developer & Scrum master   *Mar. 2014 - current*

- Leading an Agile Scrum team of 5 software developers.
- Design and implementation of automated software delivery pipelines (automated software delivery, testing and reporting).
- Leading role in designing, implementing and deploying a large scale continuous integration pipeline which enabled automatic software testing and test results reporting, connecting 40+ development groups within Ericsson.
- Methods and tools include: Scrum, Java(Maven,Spring,Hibernate,Velocity,Junit),Python, Bash, JavaScript(AngularJS, D3.js), Bootstrap, Git/Gerrit, Artifactory, Jenkins and Eiffel.

Ericsson AB   *Sweden, Stockholm*

Verification and automation engineer   *Sep. 2012 - Feb. 2014*

- Test strategy definition and implementation for a product based on Ericsson's CBA platform.
- Test environment design and deployment.
- Software testing automation using a Junit based framework.
- Methods and tools include: Scrum, Java(Maven,Junit), Python, Bash, Git/Gerrit, Artifactory, Jenkins.

Ericsson AB
Sudan, Khartoum

SYSTEMS INTEGRATOR
Apr. 2010 - Aug. 2012

- Analysing Ericsson's customers needs, and proposing solutions to address these needs.
- Planning and performing solutions deployments.
- Contributed to the successful delivery of 6 projects on the Business Support Solutions area. These include solution deployments to live mobile operators networks with 12,000,000+ subscribers.

Ericsson AB
Sudan, Khartoum

TESTER/INTEGRATOR ENGINEER
Jun. 2008 - Apr. 2010

- Planning and executing the configuration,testing and integration of network solutions and nodes.
- Performing acceptance tests.
- Contributed to the successful delivery of 4 projects on the GSM/WCDMA.

Ericsson AB
Sudan, Khartoum

INSTALLATION ENGINEER
Feb. 2008 - Jun. 2008

- Preparing plans for the installation of Ericsson equipments within Ericsson's customers networks.
- Supervising the installation technicians.
- Contributed to the successful deployment of several GSM and WCDMA RAN Access and transport nodes.

University of Kharoutm, Network Technology and administration center
Sudan, Khartoum

NETWORK DEVELOPER
Aug. 2007 - Jan. 2008

- Developing new software applications that aim to optimize the campus network operation.
- Developed an automatic Backup and Recovery System for the campus application servers running on Unix Like systems, using PHP, TCL and Expect.

University of Kharoutm, Faculty of Engineering
Sudan, Khartoum

TEACHING ASSISTANT
Aug. 2007 - Jan. 2008

- Prepare and deliver tutorials and laboratories for 4th and 5th year undergrad students.
- Arranged laboratories and tutorials for: Java Technology, Communication and Antenna systems and Data Communication and Computer Networks.

Extracurricular Activity

Web crawling for rental apartments hunting
Sweden, Stockholm

- Developed a software for fast automated notification of new available apartments, that crawled housing agents sites for rental apartments delivered in a "First In First Served" fashion (Bostadssnabben). Note the concerned sites did allow crawling
- Got a "1st hand" contract within a couple of weeks
- Java was used, and the software was running from Google App Engine (Google cloud product)

Deep learning course, by Nando de Freitas of Google
Sweden, Stockholm

2015

- Online machine learning course taught at Oxford University with focus on deep learning
- The homework assignments used Torch framework
- I watched the course lectures and did all the the homework assignments
- *Course link*