Mohamed A. A. **Haseeb**

SOFTWARE ENGINEER · SCRUM MASTER

Stockholm, Sweden

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Experienced software and systems engineer (8+ years), with patience to solve problems and passion to explore and learn new things. I am currently interested in building solutions that employ machine learning and AI techniques.

Education

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

MASTER OF SCIENCE IN MACHINE LEARNING *Sep. 2014 - Exp. Oct. 2016*

- Thesis project: Detecting hand gestures on existing unmodified smartphones using Wi-Fi signal strength.
- Selected project: Building a video search engine (exploiting the video content) using elasticsearch and kibana.
- Selected project: Predicting human face attributes from images with deep learning.
- Selected project: Implementing a deep neural network for a speech recognition task, using Caffe deep learning framework.
- Selected project: Learning to play Packman with reinforcement learning using neural networks.
  FANN neural network library was used.(**Youtube link**)

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 project: Design and Implementation of an IPv6 Firewall

Honors & Awards

2007	**Best Electrical Engineering Graduation Project (Bachelor level)**, Association for the Promotion of Scientific Innovation	*Sudan, Khartoum*

Skills

Methods	Agile, Scrum
Programming	Java, Python, C/C++, Matlab, Bash, SQL, Lua(Torch), TCL(Expect), Perl, C#
Machine Learning frameworks	scikit-learn, Caffe/digits, FANN, MatConNet, 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 deliveries 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 (A high-available application 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
SYSTEMS INTEGRATOR

Sudan, Khartoum
Apr. 2010 - Aug. 2012

- Analysing Ericsson's customers needs, and proposing solutions to address them.
- Planning and performing solutions deployments.
- Contributed to the successful delivery of 6 projects on the Business Support Solutions area (charging, billing and mediation). This involved solution deployments to a live mobile network with 12M+ subscribers.

Ericsson AB
TESTER/INTEGRATOR ENGINEER

Sudan, Khartoum
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 RAN access and transport areas.

Ericsson AB
INSTALLATION ENGINEER

Sudan, Khartoum
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
NETWORK DEVELOPER

Sudan, Khartoum
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
TEACHING ASSISTANT

Sudan, Khartoum
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
2014

- 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*