

# George Atef Georgui

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## Objective

➤ Challenging career in the field of information technology and/or embedded systems in a reputable organization, where my education and knowledge can be applied.

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## Education

➤ **M.Sc.** in Electronics and Communication Engineering, Ain Shams University with  
**Cumulative grade: V. good.** (Sept. 2012- Sep. 2017)

- **Thesis Title** "Precoder performance over mm-Wave Channels in Massive MU-MIMO systems"

Grade: **Excellent.**

- **Publication** "Georgui, George A., and Yasmine A. Fahmy. "Hybrid precoding performance in downlink mm-Wave massive MU-MIMO systems." Radio Science Conference (NRSC), 2017 34th National. IEEE, 2017."

➤ **B.Sc.** in Electronics and Communication Engineering, Ain Shams University with  
**Cumulative grade: V. good.** (Sept. 2006- Jul. 2011)

- **Graduation project** "Modeling of WiMAX physical layer on Matlab & Implementation on Virtex6 FPGA using Xilinx system Generator"

Grade: **Excellent.**

➤ "Patriarchal College (Ex. Freres)" student with high school with score **Excellent.**  
(Sept. 1994- Aug. 2006)

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## Technical Skills

### ➤ Technologies/protocols

Familiarity with different network protocols as MAP, TCP/IP, UDP, DNS, DHCP, SSH, Radius, Diameter and SS7.

### ➤ Programming Languages

- Shell scripting (Unix/Linux based)
- Power shell scripting (windows based)
- Visual basic programing.
- Good knowledge of database concepts
- Java and SQL scripting (MySQL – Oracle).
- Web development using PHP, WordPress and magneto.
- Web development under MVC frameworks as Code-Igniter.
- JQuery and CSS scripting.
- Java and Android application development.
- Extensive knowledge of C, and C++
- Good knowledge of Python and bash
- Assembly under Linux and Windows
- Experience in software engineering and development life cycle

### ➤ **Tools “computer aided software”**

- WireShark: Extensive knowledge of the tool, analysis, and filtering .
- NS2: Experience with use in Wireless sensor networks applying different protocols and comparing their throughput.
- Tektronix protocol analyzer and tracer (ISUP, MAP, and INAP).
- Cisco packet tracer: Essential knowledge gained during CCNA learning and applying different labs for better understanding
- MATLAB: Solid understanding of its functions and simulating different communication techniques like OFDMA, and Cognitive radio

### ➤ **Platforms “operating systems”**

- Windows 7,8,10, Windows server 2008 Active directory fundamentals.
- Unix Solaris, Linux and Ubuntu
- Open VMS
- MAC

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### **Work Experience**

#### ➤ **Mobinil, VAS Data** operations and support Sr. Supervisor engineer.

Same Roles and Responsibilities of the VAS Operations Lead Engineer listed below in addition to Coaching and developing newer team members

Handling new VAS projects requested from commercial teams including requirement analysis and gathering.

Preparing VAS projects plan and assigning resources from team.

Technical assessment for running projects that needs upgrades and bugs fixing

New Projects scope documents revising and raising all technical concerns in the design besides assigning resources from team for this project

Transferring knowledge among team members and giving Handover technical sessions

Handling periodical meetings and conference calls with Supplier to Organize and discuss opened Tickets

Handling Data Fraud problems and interfacing with Revenue Assurance and Information security Teams

Acting as VAS Operations Team leader

(Apr 2017 - now)

#### ➤ **Mobinil, VAS Messaging and payment services** operations and support lead engineer

Responsible for all administration tasks on VAS services (Linux – UNIX – Windows)

(PCRF, DPI (PCEF), Mobinil Wi-Fi (FMC-CPAR), WAP GW, SMSC, MMSC, EtopUp,

Mobilist (USSD), SDP (Infotainment services), Mobi- cash (Mobile Money), ADM, etc...).

Responsible for launching and troubleshooting of all VAS promotions and offers

Involved in designing and implementing services, solutions, promotions or new tariffs

Coordinate with all teams to accept new products and services applied on VAS servers

Ensuring high level of availability for all VAS network elements

Increase in house developments, and further develop this initiative in order to minimize the company's CAPEX.

Identify potential risks and work on the mitigation plans.

Apply solution to enhance the systems performance.

On call 24/7 for immediate interventions or planned action.

(Dec 2013 – Apr 2017)

➤ **Mobinil Core** support engineer

2<sup>nd</sup> level Support for Alcatel Core Equipment (SSP, RCP, File Collector, & SDM).

Troubleshooting any problem reported by other teams related to Core NEs.

Manage the tickets opened with Alcatel and Orange Skill Center.

Responsible for any new NSS related new project (creation, support and acceptance)

Responsible for acceptance and integration of any new Alcatel Core Equipment.

Check the statistic and report to meet the defined KPI's. (Feb 2013 – Dec 2013)

➤ **MOBI-SERVE** training in Operation and Maintenance department for 2G and 3G nodes

Visiting Mobinil sites, find where the fault is and fix it (Aug 2010 – Aug 2010)

➤ **TELECOM EGYPT** training on the basics of landline Operation & Backhaul, troubleshooting & defect resolution, learnt some concepts as T1, E1 transmission and

pulse code modulation (Jul 2010 – Jul 2010)

➤ **ORANGE** business service in Egypt training in CEMA field operational services. For Network handling of (Cisco & Huawei) systems in addition to customer-trouble tickets

resolution. (Aug 2010 – Aug 2010)

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**Projects**

- Migrating all VAS services to new OSS HP omi monitoring solution (Jul 2017)
- Orange DSL Website Migration and integration with Orange Platform (May 2017)
- Design and implementation of a climate control system on raspberry PI 3 (Feb 2017)
- Mobinil Website upgrade and re-branding (Mar 2016)
- Mobinil Wi-Fi deployment to offload 3G traffic (Sep 2015)
- Mobinil Website Payment gateway Migration (Feb 2015)
- Migration to Acision new SMSC (Mar 2014)
- SDP “Infotainment services” launch and upgrade to phase2 (Nov 2014)
- SMSC and MMSC rehearsal and hardening (Feb 2014)
- Design and Implementation of a Microwave Antenna using HFSS. (Jun 2011)
- Design and Implementation of a digital clock using Micro-controller. (Jun 2010)
- Design and Implementation of a garage control system. (Jun 2009)

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**External courses**

- **Oracle Solaris11** system administration at Global knowledge training company.
  - **Oracle Database 11g** administration workshop1 at IT Egypt corp.
  - **Cisco ISG & Cisco Prime Access register** At Equitrain “a division of Equinox”
  - **MOBILE PACKAGE** supervision of IEEE-SB sponsored by Vodafone “Radio planning overview- GSM – GPRS – UMTS – LTE”
  - **CCNA** course supervised by new vision center
  - **PLC** course at Susan Mubarak technology center
  - **Unix** Essentials and Shell Scripting
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## **Certificates**

- Scrum Master Accredited Certification™, license 22749202730599 from International Scrum Institute™.
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## **Extra-curricular Activities**

- Member in LMDS “Les Mains Du Seigneur” who are helping orphans in education, financial support, game and activities to make their lives a bit happier.
  - Member in the Score Experiential Learning Team that create games delivering a specific idea or concept.
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## **Other Skills**

- Excellent communication & time management skills, good problem solving skills, well organized with ability to handle priorities and meet deadlines, very good team work skills.
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## **Languages**

- Arabic: Mother Tongue
  - English: Excellent
  - French: Basic
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## **Hobbies & Interests**

- Basketball and chess
  - Travelling and interacting with different cultures.
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## **Personal Info.**

- Date of birth:** ➤ 26/3/1989
  - Nationality:** ➤ Egyptian
  - Military status:** ➤ Accomplished on 1-12-2012.
  - Marital status:** ➤ Single
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## **References**

- Dr. Wagdy Anis ➤ Core Support Senior manager in Orange Egypt.  
Mobile No: +2-01222201073
- Clare Ashamallah ➤ Customer marketing manager in Ericsson  
Mobile No: +2-01001610061
- Peter Yehia ➤ Head of Broadband & digital Services in Orange Egypt.  
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