

M. Kaiss Naimi

Belgium

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Electronic Engineer Long Experienced C/C++ IT Specialist

EXPERIENCE

2006 - 2008 **VIVEO** (La Hulpe - Belgium)
Knowledge Engineer (Banking)

Mission as C developer on Mainframe and SWIFT messages repair (STP)

- C tools development for banking databases processing under IBM Mainframe ZOS and Windows using IBM-DB2 Embedded SQL. A version developed for Unix and Oracle Embedded SQL.
- Development of a XML parser for Mainframe.
- SWIFT messages repair and enrichment (STP) rules programming using company internal PayFix tool for worldwide customers under UNIX SUN-OS.
- Web tool development with Apache/PHP and MySql for configuration management.

2005 - 2006 **MOBISTAR** (Brussels - Belgium)
Engineer Consultant (Telecoms) - Interim Contract

Mission as Customer Solutions Expertise Team member

- Programming a WEB tool (PHP/MYSQL) for statistics follow-up.
- Equipments selection for specific technical solutions.
- DTMF electronic board design.
- Configuration and programming of PSTN routers.
- Modems programming with AT commands.
- Geographical equipments and areas localisation using MAPINFO.
- Mobile phones missed calls investigations.

2001 - 2004 **SIEMENS-ATEA** (Herentals - Belgium)
Engineer R&D (Mobile Networks - Telecoms)

Mission as scripts Functional Test responsible

- Development of internal tool with C++, MySql and Excel for tests execution and report generation.
- Development of automation tools in C, Tcl-tk and Perl for script execution.
- Customer interaction worldwide for diagnose & support regarding telecom. Infrastructure systems (SS7, TCP/IP, Q3, SNMP, JAVA, CHILL).
- Online support for scripts and software installation and execution.
- Remote testing using VNC / NetMeeting / PcAnywhere and Siemens Internal PC-DUO software.

- Contacts with fault report owners. Check logging information. Try to reproduce faults. Provide a work around. Forward fault to the developers for corrections. Follow up corrections, by testing and closing on success or forwarding on failures. On call support for out of office hours for urgent problem solving.
- Working in shifts.

1998 - 2001

(VITRO)CISSET-INT (Belgium)
System Engineer (Satellite Telecoms)

Mission as Transportable Test Station developer for EUTELSAT

- Project responsible for the realization of a transportable satellite test station, high accuracy, to carry out automatic in-orbit tests (I.O.T).
- Development of monitoring and control software. Programmed in C++ and HP-VEE for automatic tests execution. Integration of telecom equipments and definition of station mechanical assembly (AUTACAD). Verification of wave-guides calibration. Definition of software procedures and mathematical analysis methods. Definition of accurate satellite antenna pointing procedures. Quickly learned satellite test procedures in short time frame. Programming of in-orbit tests procedures. Uplink and downlink towards Eutelsat's satellites for acceptance tests. Direct contact with customer. Presentation of project progress report. Responsible for support to customer. Travelling abroad. Project and team coordination. equipment interfaces (RS232/RS485/LAN/GPIB)
- Development of a TCP/IP server in C (LINUX) allowing 3 meters satellite antenna remote control (tested successfully on Internet Paris-Redu).

Marketing support (satellite telecoms)

- Proposals of fixed and mobile satellite stations used for uplink and downlink communications. Definition of telecom equipments. Link-budget calculations.

1996 - 1998

ORDI-TRUST (Belgium)
Store Manager (Sales in IT)

- Sales in information-technology and electronic equipments. Assembly and maintenance of computers and networks. Installation of satellite receivers.

1992 - 1996

ENSEEIH-INT (France) - Electronic Engineer School
Assistant, Research tasks (Micro-Electronics)

- Automatic generation of electric schematic diagram starting from SPICE "*.cir" file (Programmed in C++). SPICE parameters computation of a bipolar transistor from its 3D layout using AUTOCAD. Clean room realization of silicon transistors. MOS transistors design, layout and masks checks. Study and design of a VLSI on system CAD SOLO.

SKILLS

Programming languages

Long experience: Microsoft Visual C/C++, Delphi/Pascal, Visual Basic, Java, Excel VB-script, HP-VEE (LabView), Fortran, Assembler, Perl, Tcl-Tk, DOS-Batch

Limited use of CHILL (Telecom)

Tools development

C/C++ applications development: Spatial 3D electronic circuit drawing, Curves adjustment and regression, Electronic circuit simulation, Minimisation of logical functions. Spatial 3D LISP programming with AUTOCAD, Network printers sharing, Microcontroller (PIC/ATMEL) programming on parallel port, Internet IP address publication tool, Medical office management software.

General IT

Very good knowledge of network and system installation and maintenance on Windows and Linux, Windows Office package, Power-Quest, Image-Drive, VM-Ware, VNC, PcAnyWhere, NetMeeting

Databases & Web development

IBM-DB2, MySQL, Dbase, Oracle, MS-SQL, SQL-Server, HTML, JavaScript, PHP, ASP, Dreamweaver, Flash, Apache, Management and administration of WEB and FTP servers.

Electronic tools

VHDL (VLSI-Hardware Description Language), PSPICE (electronic circuit simulation), SATMASTER (Satellite link-budget), AUTOCAD (Auto LISP programming), EAGLE, XILINX, ACAD, ORCAD, DRAFT. TCP-IP/SIP/SS7/ATM/LAN. Switch-commander Siemens MSC.

Electronic equipments programming and control

Microcontrollers (PIC/ATMEL), GPRS/UMTS Siemens Mobile Switch Controller (MSC), Spectrum analyser, Signals generator, High Power Amplifier for satellite communications, Power Meter, Switches Controller, Antenna Controller, Up & Down link converter, GPS, LAN/HPIB/GPIB/RS-232/RS-485 converter, Measurements and calibrations of wave-guides.

EDUCATION

1993	D.E.A – Diplôme d'Etudes Approfondies	INPT (TOULOUSE)
1992	D.H.E.T - Diploma of high technological studies	INPT (TOULOUSE)
1991	Electronic Engineer	USTO (ORAN)

LANGUAGES

French	Good
English	Good
Arabic	Good
Dutch	Basic

PERSONAL INFORMATION

Mobility Yes
Belgian citizen