

Varol Okan

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SENIOR SOFTWARE ENGINEER

SUMMARY

A highly motivated and goal-oriented Senior Software Engineer with a wide area of expertise including:

- leading force for the analysis, design and delivery of future enhancements to existing systems.
 - demonstrated ability to provide solid solutions for operational requirements,
 - database design and maintenance,
 - Windows, Linux, and UNIX programming and administration,
 - installation and maintenance of complex hardware and software environments,
 - Web development and office usage,
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WORK EXPERIENCE

INTELSAT Satellite Management System, Washington, DC

Jul 2004-Dec 2004

Senior I&T Systems Engineer

- Installed and tested the Ground Network System (GNS) in the Mini Control Center (MCC).
- Supported all major components in the MCC.
- Converted Java GUIs from the HP environment to Linux.
- Assisted with the POA migration to Linux.

INTELSAT Satellite Program Office, Toulouse, France

Nov 2000-Jul 2004

ISPO Systems Engineer

- Planned, administered and integrated and tested the GNS in Toulouse for the full lifespan of the IS-X project. This included the maintenance of HP-UX, Linux, and WinNT boxes.
- Provided solutions to all requests from the ISPO engineers.
- Produced appropriate specifications and support documentation for the applications being developed.
- Trained and coached engineers on the usage of PGP and the Integrated Telemetry Management System (ITM) system. ITM handles retrieving, archiving and processing of TM and CMD data for all SC.
- Managed the conversion and quality assurance process for the IS-X CMD and TM database and implemented all requirements using C++ and SQL. Served as link between Intelsat's and manufacturer's DB departments.
- Planned, administered and maintained all network equipment.
- Attended all International Trade and Arms Regulation (ITAR) training sessions and ensured ITAR compliance of the Toulouse office.
- Set up and configured the test rack for the compatibility test.
- Attended a course for Ticra's GRASP antennae design program suite and wrote a GUI to display the generated antennae pattern in 3-D space (<http://www.MovingSatellites.com/DataCube>)

INTELSAT Satellite Systems Department, Washington, DC

Jun 1997-Nov 2000

Senior Software Developer

- Served as the task leader for four full time software developers for ITM.
- Developed in close cooperation with the ISPO engineers new GUIs, and functionalities for ITM.
- Completed projects working with Java, C++, PERL, CGI, JavaScript, HTML, Powerbuilder, and MS-ACCESS.
- Developed dynamic web interface using CGI/Perl/sh to generate DHTML, JavaScript code.
- Generated database front end using MS-ACCESS
- Converted the IS-k database from FoxPro tables to Oracle.

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Fachhochschule Dieburg, Dieburg, Germany

Jul 1996-Jan 1997

Diploma Work (Equivalent Masters Thesis Practicum)

- Developed a satellite tracking program in Visual C++ using OpenGL and MFC for Windows 95 / NT. This program implements the NORAD SGP4 / SDP4 orbital models for use with the NORAD two line element sets to determine the earth centered inertial (ECI) coordinates of satellites.
- The position of the satellites is then displayed in 3-D and 2-D Mercator view.
<http://www.MovingSatellites.com>

Zentrum für Graphische Datenverarbeitung, Darmstadt, Germany

Jun 1996-Jan 1997

As part of a five member team, developed a VRML-parser in C++, using OpenGL to display the graphic objects.

École d'Ingénieurs Télécoms (Enic), Lille, France

Feb 1994-Jun 1994

During one practical semester (BPS), attended partner-college in France, and programmed a database using MS-ACCESS 2.0. This database was intended for the administration of employees' data and is now in use by *France Télécom*.

Postgiroamt, Frankfurt, Germany

Jan 1987-Aug 1991

As an Electro-mechanician, repaired and serviced all the computers and data processing units.

TECHNICAL SKILLS

Systems: Linux, Windows 95/NT/XP, X-Windows, HP-UX, Windows 3.x, DOS
Languages: Visual C++, MFC, Qt, Motif Windows Programming, OpenGL, Java, Turbo-Pascal, Turbo C++ ,
Assembler, Basic, PERL, sh, JavaScript, HTML, SQL
Applications: MS-Office, OpenOffice, MS-Access, MS-Project, Ticra's GRASP, Visual Studio, Paint Shop Pro,
The Gimp, UIM/X, Powerbuilder, Rational ClearQuest, CVS

EDUCATION

German Telecom College, Fachhochschule Dieburg, Dieburg, Germany

Engineering Diploma (Equivalent Post-Bachelors Telecommunication Engineering degree)

TRAINING

Professional Training: Electro-Mechanic Technician, Postamt 1, Frankfurt/Main, Germany

LANGUAGES

English, German, French

INTERESTS AND ACTIVITIES

Programming (I am currently working on a DVD-authoring suite for Linux that is written in C++ using Qt widgets.
<http://qdvdauthor.SourceForge.net>) , 3D-Graphics

Eligible to work without sponsorship