

Curriculum vitae: **Andriy Gule (Андрій Гуле)**

Contact information

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Summary

10 years of experience in IT: C/C++ development under Windows and embedded platforms; building, training and managing a team of developers; project planning and tracking (SubVersion, Jira, MS Project).

- Windows platform: Visual C++ (ver. 6, 7.0, 7.1, 8, 9), MS SourceSafe; MFC, COM, ATL, STL
- DBMS/SQL: MS SQL Server, MS Access, ODBC
- Embedded platforms: ARM C compiler, MS Visual Studio

References are available on request.

Education

1996—2002: master degree at National Technological University of Ukraine 'Kyiv Polytechnic Institute', faculty of Physics and Technology, specialized in computer science, information security. Thesis: 'Modeling Secure Web-based e-Commerce System'.

Work Experience

November 2004—present: chart plotters software development at C-MAP Ukraine (www.c-map.com.ua) – division of C-MAP Group, world leader in marine electronic charts (www.c-map.com). Since February 2007 C-MAP was acquired by Jeppesen Marine (a Boeing Company) and later renamed to Jeppesen Ukraine. Team leader since February 2005.

November 2001—October 2004: Glaviera, software development group (see project details below).

2000—2001: technical engineer in Stream, Ltd (www.streamltd.com), Ukrainian distributor of Thrane & Thrane (www.tt.dk), Inmarsat satellite communication equipment (www.inmarsat.com).

Spoken Languages

Russian (native), Ukrainian (secondary native), English (fluent), Italian (fluent), Czech (basic)

Personal Information

Date of birth: 8 January, 1979

Citizenship: Ukraine

Family: married, no children

Project Details

2010: Research on Bluetooth technology: find a best way to add Bluetooth support profiles Audio Gateway, Virtual COM Port and Object Exchange to C-MAP software on multiple platforms

(Linux, Win32, WinCE)

Project role: SW engineer and researcher.

2010: Research on Secure Software Update: find a best way to add software update feature while maintaining C-MAP closed platform requirement under WinCE 6 embedded platform

Project role: SW engineer and researcher.

2009: Research on XM-Weather technology (<http://www.xmwxweather.com/>): find a best way to add XW-WX support to C-MAP software on multiple platforms (Linux, Win32, WinCE, C-MAP custom embedded platform)

Project roles: C/C++ developer, SW engineer and researcher.

2009: Research possibility and add Multilanguage support to chart-plotter software on multiple platforms (Linux, Win32, C-MAP custom embedded platform) including ideographic and complex-script languages (Chinese, Thai, Arabic, etc.)

Project roles: C/C++ developer, SW engineer and researcher.

2005—2009: software development for *chart plotter* families NavStation, [Si-TeX](#), [Seiwa](#), [TechMarine](#) and other; building, training and managing the team of developers. Production cycle was revised and improved under my supervision: modern issue-tracking system, software testing and QA were introduced, etc.

2005: MAX generation bug-fix SW Releases for external OEMs – new MAX cartographic features (tide predictions, depth shading, fast zooming, perspective view, etc.), Fish Finder MMI. (Development and initial Releases were performed by C-MAP Russia team.)

2006: MAX Upgrade generation SW development and Releases for external OEMs – improved cartographic features (light animation, Fresh Water support, land elevations, Find Nearest and Find Ports, Safety indicator), Radar and C-Weather MMI, updated AIS, Fish Finder improvements.

2007: MAX Upgrade generation bug-fix SW Releases for external OEMs; MMI re-development (TrueType fonts, DlgWin widget library), C-Weather world-wide coverage support, AIS Class B support, support new SD-card-based chart-plotters.

2008: MAX Multilanguage generation SW development and Releases for external OEMs – Unicode for Chart information and MMI messages including ideographic languages: Chinese, Thai, etc.

2009: 'Jellyfish' generation SW development and Releases for external OEMs – Jellyfish features are activated for Charts released after September 2008: Automated Route Check, Satellite Images, Chart Smooth Zoom, Off-screen Chart Redraw; UI graphic enhancements: analogue instruments, visual COG bar, gradients in menus and data window, on-screen keypad, highway page with background images of waves and clouds, first start-up quick setup page, video camera image displayed over full-screen Chart, Radar or FF page, new Route Report, User Points List and AIS Report windows with User Point preview on chart.

Project roles: C developer and SW engineer, team leader, project manager.

Chart plotter is basically a specialized computer for displaying marine electronic vector charts and related tasks (route planning, route following, controlling on-boat peripheral devices, etc.) For 5 years my team was working on single software project which applies to 50+ hardware devices. Typical development cycle implied annual software release; usual tasks were: add support for new features of charting library (e.g. vector charts with overlaid

satellite imagery or 3D charts); implement user interface for controlling new peripheral devices (e.g. fish-finder echo-sounder, radar, weather information download, etc.); rebuild underlying software code to introduce new functions, e.g. handling text in Unicode for Multilanguage support, introduce widget library for easier user interface customization, etc.

2002—2004: Several Glaviera internal projects focused at:

- software internationalization and translation, including right-to-left languages (Hebrew);
- web crawlers: automated information gathering over internet (analyzing HTML pages to get certain information) and analyzing information changes over time;
- Internet Explorer plug-in for URL spell-check and auto-correction (incorrect keyboard layout fix, URL auto-complete, etc.)

Project roles: C++ developer and SW engineer.

2003: modeling and development (UML, Rational Rose) and implementation of some blocks of server part of [Megama](#) market data software system for [Business Graph Ltd.](#) (www.mivzak.com – MS Visual C++ 7.0, Microsoft Management Console, Windows performance counters / Microsoft Management Console snap-in).

Project roles: C++ developer and SW engineer.

2002: research, development, and implementation of software for ForEx market monitoring [Real4X](#) for [Business Graph Ltd.](#) (www.mivzak.com – MS Visual C++ 7.0, MFC, sockets, Telnet protocol, data access and analysis (plain text tables), internationalization (i18n): 3 languages – English, Russian and Hebrew), XML configuration file (processed via MS XML parser), live data export to MS Excel via DDE.

Project roles: C++ developer and SW engineer.

2001: participation in development and testing of [Pad2Pad](#) PCB design software (www.pad2pad.com – MS Visual C++ 7.0, MFC, DirectX, installation package in InstallShield 8, web crawler subsystem).

Project roles: C++ developer.

2001—2003: research, development, and implementation of software for X-ray fluorescent spectrometer [ElvaX](#) by [Elvatech, Ltd.](#) (www.elvatech.com – MS Visual C++ 6, MS Jet DBE, MFC, installation package in InstallShield 6); development of mathematical methodology for this project (numeric methods, statistics); pre-calculated data was stored in MS Access DB and accessed MS Jet DB engine; reporting to plain-text files and on printer.

Project roles: C++ developer and SW engineer.

1999: coding for bowling clubs software, [Treasure Software](#) (www.treasuresoftware.com – MS Visual C++ 6).

Project roles: C++ coder.

Additional information

- Windows 2000/XP/2003 workgroup-based network administration experience, MSCA Windows XP Pro program, BrainBench Windows Power User certificate
- Strong DBMS/SQL knowledge, practical applications in MS SQL and Access, ODBC
- Some experience as trainer in IT and other fields

- Some experience in Borland Delphi, Borland C++ Builder, VCL
- Web site construction experience, including HTML-coding
- LinkedIn profile: <http://ua.linkedin.com/in/AndriyGule>
- Hobby: digital sound and video processing and compression; some of my popular articles in Russian were published at [iXBT.com](http://ixbt.com)
- Home web page in Russian: [www.Hopka.org.ua](http://www.hopka.org.ua)
- Ready to move to Western Europe