Resume

Full name: Danilo Šegan
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Birth Date: March 29th, 1983

Education
- Mathematical Gymnasium, 1997–2001.
- Mathematical Faculty, senior (4th) year of "Computer Science" major

Foreign Languages
- English (excellent knowledge, everyday use)
- German (basic communication)
- Spanish (basic communication)

Qualifications/Skills
- Desktop Publishing: font creation, desktop publishing (TeX), XML+XSLT, SGML, DocBook, (X)HTML
- Programming: excellent knowledge of C, Perl, Python, PHP+Smarty, sh, IA32 assembly and architecture; knowledge of autoconf and automake, C++, Java, C#, LISP (dialects AutoLisp and Emacs Lisp), JavaScript+W3C DOM, 2 years of Pascal and Delphi use
- Software Localisation: gettext, XLIFF, translation and organisation, documentation translation
- Others: MySQL — usage and basic administration, administration and advanced usage of GNU/Linux systems (user since 1998), free software development, knowledge of HTTP, POP3, SMTP protocols.

Presentations/Talks at Conferences
- Srđan Vukmirović and Danilo Šegan: Electronic Problem Book in Descriptive Geometry (Multimedia Technology for Mathematics and Computer Science Education, September 22-25th, 2004, Belgrade)
- Danilo Šegan: Towards a Localised Desktop (GUADEC 2005, May 29th, 2005, Stuttgart)
- Danilo Šegan: Free Software Localisation and Preservation of National Heritage (4. scientific-professional gathering New Technologies and Standards: Digitalisation of National Heritage, June, 2nd/3rd 2005, Belgrade)

Miscellaneous
- Sport: volleyball (college team leader) and beach volleyball

Projects and Experience

Recent and Current Projects

- **Sarma: Live Documentation Editor** (*Python, SQLObject, AJAX, XSLT, XML, DocBook, designMode*) — `http://live.gnome.org/LiveDocumentationEditor/`
  Developed as part of Google Summer Of Code, Sarma is a collaborative DocBook document editor.

- **Interkulturo.net** (*PHP+Smarty, MySQL*) — `http://ik.kvota.net/`
  Complete modular CMS with excellent support for l10n and multilinguality. Includes modules such as galleries, quizes, forums, private messages, etc.

- **xml2po** (*Python, XML, DocBook*) — `http://kvota.net/projects/xml2po/`
  Program to improve and simplify documentation translation, used across Gnome.

- **intltool** (*Perl, XML, l10n*) — `http://freedesktop.org/Software/intltool`
  Program for l10n of many different file formats—currently a co-maintainer along with Rodney Dawes; used by several hundreds other programs.

Older Interesting Projects

- **mingbgd.com** (*PHP+Smarty, MySQL*) — `http://www.mingbgd.com/`
  Same infrastructure as in Interkulturo.net, with addition of shopping cart and catalogue modules.

- **razvojnabanka.com, bofsei.com** (*PHP, MySQL*) — `http://www.razvojnabanka.com/`
  Creation of simple CMS with automatic currency list and multilingual support. Maintenance done by their team.

- **webtionary** (*PHP, MySQL*) — `http://kvota.net/webtionary/`
  Collaborative dictionary of computer terms, used in projects `http://recnik.prevod.org` and `http://transpoetika.org/`.

- **prevod.org** (*PHP, MySQL*) — `http://prevod.org/`
  Web site for supporting Serbian software translation, including organisation of any such effort. Also used in handling Gnome translation to Serbian.

- **php-gettext** (*PHP, l10n*) — `http://savannah.nongnu.org/projects/php-gettext/`
  PHP library for direct access to GNU gettext MO files for l10n. Used in at least WordPress and SquirellMail.

- **gettext#** (*C#, l10n*) — `http://kvota.net/hacks/gettext-sharp/`
  C# library for direct access to GNU gettext MO files for l10n.

- **4o** (*IA32 architecture, assembly, C*) — `http://kvota.net/projects/4o/`
  Simple kernel with implementation of RR scheduler (including semaphores) and memory allocation for IA32.

- **Reversing a Projection** (*AutoCAD, AutoLISP, JavaView*) — `http://kvota.net/ng/`
  Part of electronic textbook for Descriptive Geometry done in collaboration with prof. Srđan Vukmirović. Constructs 3D bodies out of their orthogonal and central projections, to be displayed using JavaView.

- **Philips HDD100 index** (*Python*) — `http://kvota.net/hacks/philips-hdd100/`
  Program for music database creation for Philips HDD100 MP3 player on systems not officially supported by Philips.

- **Novell SuSE 10.0 localisation** (*l10n*) — `http://prevod.org/`
  Organisation and handling of translation of OpenOffice.org2 and improval of Gnome 2.12 translation for the needs of Independent Expert Group (`http://www.neg.co.yu/`) and Novell.

- **DejaVu Fonts** (*FontForge, TrueType*) — `http://dejavu.sf.net/`
  Extension of Bistream Vera fonts with Cyrillic glyphs.

- **Nova Font** (*FontForge, TrueType*) — `http://kvota.net/fonts/nova/`
  Amateur art-deco Cyrillic font with partial Latin range

- **Диференцијалне једначине — задаци са елементима теорије (Differential equations - excercises with elements of theory)** (*Janković Svetlana, Knežević-Miljanović Julka*)
  Complete typesetting using TEX for the text and METAFONT for creating illustrations.

Also worked on many other projects, including extending FreeFont and URW-CYR fonts, submitted a large number of patches across many Gnome programs, and currently acting as one of two Gnome Translation Project spokespersons.