

Software Architect/Developer/Engineer

PERSONAL INFO

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Homepage	http://thehalcyonsavant.com
Nationality	Bulgarian
Languages	English, Bulgarian
Date of birth	11. 10. 1986 (28 YEARS)
EDUCATION	Software Engineer –Bachelor’s degree in 2010 at TU Sofia (Faculty of Computer Systems and Control)

WORK EXPERIENCE

- 2012-** Developing VBA/Excel invoice software for managing small/middle Macedonian trading companies. Also, creating various open source projects, including my personal website.
- Occupations *Freelancer*
Front-end, Back-end Developer
 - Projects <https://github.com/TheHalcyonSavant/Invoices>
<https://github.com/TheHalcyonSavant/website>
<https://github.com/TheHalcyonSavant/VocabularyGame>
<https://github.com/TheHalcyonSavant/SoccerBase>
<https://github.com/TheHalcyonSavant/ExcelApp>
<https://github.com/TheHalcyonSavant/ConnStealing>
- 2010-2012** MI-C3 <http://mi-c3.com/>
- Occupations *Front-end, Middleware, Back-end Developer*
Project Management
Software Architecture
Code Refactoring
 - Projects **Design & Development of MI-C3 Platform:** I have created single-handedly many functional multitier components as part of our OOP Line of business framework based on variety of model technologies (Rich Internet Applications, Model-View-Controller, Web services, Event-driven patterns, Reporting, Navigation, etc.). These components have major influence on the company’s framework and are essential for designing highly complicated web solutions in a very short time. With this *framework* we have improved the development of different Web based ERP solutions for the internal networks of companies like:



Our projects have been developed mostly on InterSystems products with combination from other frameworks like .NET and Java.

Personal work on front-end Web 2.0 (HTML5, CSS3, JavaScript, jQuery, Zen, CSP, DeepSea ...) components in MI-C3:

- *Web Operating System* (with windows, icons, widgets, effects, multi-desktops, etc.);
- *Data Grids* (grouping, sorting, sub-contents, resizing, paging);
- *Drop Downs* (with images, auto-completion, effects, filtering);
- *Trees* (load on demand, hotkeys, effects, etc.);
- *Tab Groups / Wizard* (sliding effects, loading on-demand);
- *Tooltips* (with balloon effect);
- *Validation* (DB existence, masking, etc.);
- *Navigation Menu / Carousel* (submenus, animations, etc.);
- *GIS control* (OpenLayers API, Google Maps API, VirtualEarth);
- *Chart, Pie* (SVG, Canvas, WebGL)
- CSS3 animations, 2D/3D transformations
- *WYSIWYG control*

Personal work on the back-end in MI-C3:

- Auto-parser of the backend classes for dynamic creation of front-end grids, needed for CRUD operations;
- Responsible for any REST communication in the system;
- Design and maintain of Action Management System (BPM like system), responsible for different actions / coactions / tasks needed by the end-user.
- Implementation of SOP (Standard Operation Procedures)
- Integration of Role-Based security
- Restructure some internal data under WEB 3.0 OWL standard

2010

- Title Preparing and defending my undergraduate dissertation
Developing drivers for hiding files in Windows NT 5.1 - 5.3 environment
- Projects https://github.com/TheHalcyonSavant/SSDT_Hook
<https://github.com/TheHalcyonSavant/FileHide>

2005 – 2009

- Occupation Attending classes at Technical University of Sofia
Besides studying and passing examinations with very good grades, I was involved in many school projects and some open source works:
- Projects <https://github.com/TheHalcyonSavant/regex> (Java Swing)
<https://github.com/TheHalcyonSavant/Delphi> (Delphi and Pascal)

2006 – 2007

- Occupation EJR Group – Sofia (during studies)
WEB Developer/Programmer (trainee)
- Projects participation in the development of: <http://dobro-bg.com>,
<http://neptunbeach.com>

TECHNICAL SKILLS AND COMPETENCES

Programming Languages: Frameworks(Sub-frameworks/Libraries) ->

- **ActionScript:** Flash, Flex
- **AutoIt**
- **Borland Pascal, Delphi**
- **C#, F#:** ADO.NET Entity Framework 6, ASP.NET (MVC 5, Razor, WebAPI 2 (Breeze, OData)), LINQ, Unity DI, WinForms, WPF, xUnit
- **C, C++:** ANSI, WinApi, CRT
- **CSS 3:** Bootstrap, SASS(Compass)
- **HTML 5:** Jade, Markdown
- **InterSystems Caché ObjectScript:** CSP, ZEN
- **Java:** Apache Lucene, Colt, JFC (AWT, Swing), Selenium2 (WebDriver)
- **JavaScript:** AngularJS (Angular-UI, Restangular, ...), Breeze, CoffeeScript, D3, Firebase, Google Earth API, Jasmine, jQuery (jQuery-UI, jqGrid, ...), Lo-Dash, Modernizr, OpenLayers, Protractor, PrototypeJS, QUnit
- **Microsoft Assembler**
- **NodeJS:** Grunt, Karma
- **PHP 5:** Prado
- **SQL:** SQL Server (T-SQL), MySQL, InterSystems SQL
- **SVG:** D3
- **Visual Basic for Applications**
- **XSLT, XPath, Regex**

Additional:

- Adobe Acrobat/Photoshop/Dreamweaver/Flash Professional
- Apache, IIS
- AutoCad
- Bash, PowerShell
- CorelDraw
- Design Patterns
- GeoServer
- Git, SVN
- Microsoft Office
- NetBeans, Sublime Text, Visual Studio
- SCRUM (Redmine, ScrumWorks)
- Test/Behavior Driven Development, e2e testing
- Windows Driver Kit, Kernel Debugging
- Wireshark, tcpdump
- Yeoman, NPM, Bower, ...