

Project portfolio (selection)

2019 **Autotech Teknikinformation AB** www.autotech.se

Time frame: 2019-05 – 2020-12 (95 days)
Technologies: moodle, PHP, PostgreSQL, JavaScript, Docker
Roles: system architecture, backend development, frontend development
Team size: 6

For a big customer of Autotech I extended their learning management system Moodle in many ways. Among other things, I planned and implemented an automatic translation of SCORM packages using Microsoft's and Google's translation APIs.

2017 – 2019 **Once Upon AB** onceupon.photo

Time frame: 2017-09 – 2019-05 (200 days)
Technologies: PHP, MySQL, Laravel, JavaScript, Firebase, React Native, REST
Roles: system architecture, backend development, app development
Team size: 8

Once Upon is an app for creating and ordering photo books. I designed and developed the complete Laravel based back-end whose larger parts are the admin interface and the REST api for the app. Beside of that I planned and developed app modules, e.g. a queue and sync system for collaboration. Additionally I worked with GDPR questions.

2017 **Virtual Identity: website improvements for {a big company}** www.virtual-identity.com

Time frame: 2017-04 – 2017-07 (50 days)
Technologies: JavaScript, React, css, OpenCms
Roles: frontend development, tool development
Team size: 7

In this project I worked with both the JavaScript logic of the frontend , e.g. the api based search functions as well as with the frontend for custom OpenCms plug-ins.

2017 **Gold Town Games** goldtowngames.com

Time frame: 2017-03 – 2017-04 (16 days)
Technologies: C#, .net, WebSocket
Roles: backend development
Team size: 10+

Gold Town Games is the company behind World Hockey Manager. I helped with network programming and wrote among others a version based load balancer in C#.

2014 – 2016 **Hello Future: Skepool** skepool.se

Time frame: 2014-08 – 2016-12 ... (120 days)
Technologies: php5, Laravel, MySQL5, SOAP, REST, git
Roles: system architecture, backend development, documentation
Team size: 8

Skepool provides a trading and analysis platform for electricity retailers. Based on the existing SOAP-API I planned and developed a REST API for the new web app.

2012 – 2016 **Hello Future: Hello Umbra** helloumbra.com

Time frame: 2012-01 – 2016-12 ... (240 days)
Technologies: php5 (Apache and cli), MySQL5, JavaScript, jQuery, REST, git, svn
Roles: system architecture, backend development, JavaScript development, documentation, deployment
Team size: 7

Hello Umbra is a citizen services platform created by Hello Future. It's today used by over 20 Swedish municipalities. I am the system architect of Hello Umbra. Among other things I developed the whole backend, a frontend framework for the services running in a WebView, and deployment scripts.

2012 – 2014 **Hello Future: Spiderdash** spiderdash.com

Time frame: 2012-03 – 2014-06 (70 days)
Technologies: php5, MySQL5, REST
Roles: system architecture, backend development
Team size: 9

Spiderdash is a dashboard for marketing managers that help them keep track of trends from multiple touchpoints and KPI's. My role was to plan and implement the database and the core backend.

2009 **Dictocom GmbH: Web platform for telecommunication services**

Time frame: 2009-04 - 2009-08 (50 days)
Technologies: css, Django, javascript, jquery, MySQL, python, xhtml
Roles: frontend development, backend development, technical conception
Team size: 3

SSMS converts spoken messages to text and sends it to mobile phones. I developed the database and the Django based backend as well as the frontend for the web interface.

2008 – 2009 **4tiitoo AG: GUI for a novel Internet hardware** www.4tiitoo.com

Time frame: 2008-11 – 2009-04 (75 days)
Technologies: css, java, JavaScript, jquery, xhtml, xul
Roles: frontend development, JavaScript programming

Team size: 12

For 4tiitoo I planned and programmed the essential parts of the Firefox-based GUI using jQuery and xul.

2008 **Virtual Identity AG: Web2Publish System for {another big company}** www.virtual-identity.com

Time frame: 2008-06 – 2008-08 (40 days)

Technologies: ajax, css, JavaScript, jQuery, xhtml, TinyMCE

Roles: frontend development, JavaScript programming, coordination, technical conception

Team size: 8

In this project I implemented the complex javascript logic for the user interface and the ajax communication with the back-end. Furthermore I designed and documented the frontend-backend interface along with another developer.

2007 – 2008 **Virtual Identity AG: Templates for the redesign of {a worldwide company}** www.virtual-identity.com

Time frame: 2007-09 – 2008-03 (35 days)

Technologies: css, JavaScript, Prototype, sIFR, xhtml

Roles: frontend development, JavaScript programming,
coordination, technical conception

Team size: 5

Within the scope of the online redesign for this company I created a set of templates serving for the worldwide implementation of the local corporate websites and intranets.

Beside from the accessible code in xhtml 1.0 strict and the accurate implementation on pixel level with css this product provides several javascript modules for layer handling, animated header visuals, sitemaps and image magnification.

2004 - 2005 **GMX GmbH: Genesis 3 and SiteML** www.gmx.net

Time frame: 2004-11 – 2005-06 (70 days)

Technologies: xml

Roles: conception, documentation

Team size: 3

One of my main tasks was the theoretical design of new core technologies as e. g. "Genesis 3", a middleware for complex sequence controls or "SiteML", a meta language for the separation of design, function and content.

2004 - 2005 **GMX GmbH: Sequence control system for DSL orderings** www.gmx.net

Time frame: 2004-03 – 2005-06

Technologies: Genesis2/3 (GMX), xhtml, xml, xsl

Roles: implementation, online producing

Team size: 7

With the GMX internal middleware "Genesis 2" and later "Genesis 3" I implemented complex sequence controls as e. g. for ordering and upgrading of DSL connections.