Theodor Storm

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Presentation

Experienced programmer and systems designer with broad knowledge, from development of system security components to design and implementation of user interfaces, client/server web services and mobile applications. I was born on nov 27th 1975, and I've been working as a software developer since I graduated from Umeå University in 2001.

In my spare time I like to spend time with my wife and our two daughters, two cats and a herd of alpacas at our farm Turesta on the Katrineholm countryside (http://www.turesta.se).

Selected projects and clients

Swedish Armed Forces   **2001-**

Software developer and systems designer in a wide range of programming and scripting languages.

Trafikanalys (government agency, http://www.trafa.se)   **2011-2014**

Systems design, development and documentation of web application and database that collects and presents statistics of all swedish train traffic since 2010-01-01 – over 20 million arrivals & departures. Created using Wordpress, HTML5, PHP, JavaScript and MySQL on Debian Linux. Public version available at http://www.tagstatistik.se/ (in swedish).

iPhone/Android-app Tågtavlan   **2010-**

Phonegap/HTML5 Hybrid mobile application for information about and monitoring of swedish train traffic. Tågtavlan is the most popular operator independant train information app in Sweden with over 100,000 users. Tågtavlan fetches traffic information from a private HTTPS API at http://tåg.info/. See http://tåg.info/app (in swedish).

Tåg.Info, Tågkartan.se   **2010-**

Web services related to swedish train traffic built upon public data from the Swedish Transport Administration. Initially HTML pages were scraped to retrieve train traffic data, but in 2014 the Swedish Transport Administration launched an open API, partially as a result of the popularity of Tågtavlan. Created using PHP, HTML5, JavaScript and MySQL on Ubuntu Linux. See http://tåg.info and http://www.tågkartan.se (both in swedish).

Employers

Self employed (Tstorm Technologies)   **2007-**

Web service development, mobile applications ; consulting in systems design, systems development, data security, log handling, data communication.

Erik Liljencrantz datakonsult AB   **2003-2007**

Consulting in systems development, data security, data communication and log handling ; web development

Xware AB   **2001-2003**

Systems development in the fields of data security and data communication

Education

M.Sc Computer Science, Umeå Universitet   **1996-2001**

Master thesis : KiKS is a Khepera Simulator (http://www.tstorm.se/kiks.php)

Qualifications

Excellent knowledge in development using web technologies:

- JavaScript, PHP, AJAX, HTML(5), XML, JSON, CSS

- Databases (MySQL, SQLite)

- Linux based database servers, web servers, e-mail servers

- Mobile hybrid (HTML5/PhoneGap) apps

Good/very good knowledge in C, C++, Java, SQL, ASP, Perl, Matlab, shell script, Visual Studio, Eclipse, Make/GCC, and more.

Several years experience of design, development, testing and documentation of components in different programming and scripting languages in the fields of :

- Network protocols (TCP/IP), communication protocols

- IT security

- Client-server architecture

- Log handling

- Authentication, authorization and encryption using PKI and smart cards

- Integration and customization of open source software to deal with information security policies

- Automated configuration

- User interfaces

- Server monitoring

- Linux and other Unix-like operating systems, Windows