

CV

JaaneK Oja

Summary

Over 20 years of experience in software development including administrating Linux servers. Good at Java, Javascript, Typescript, GoLang, SQL & RDMS systems, NoSQL databases, Linux scripting & shell. I am a quick learner. I have full software development lifecycle, project management and team lead experience. Most of my developer life I have been using agile approaches to software development. I think I have high problem solving ability and communication skills. Extensive interaction with the clients from different countries.

Main skills

Languages: Java (15 years), Javascript (12 years), Typescript (4 years), GoLang (1 year), Web Technologies (React, JS, CSS, HTML), SQL/NoSQL Databases, Team leader skills (~10 years), Linux scripting & shell (~10 years)

Web: JavaScript, CSS, ReactJS, Aurelia, AngularJS (1/2), Typescript

Backend: Java, Golang, Javascript, Typescript, NodeJS, Python

Databases: Postgres, MySQL, Redis, MongoDB

Blockchain: Solidity, Web3.js, Geth

Search engines: Apache Solr, Elasticsearch, Lucene

Linux: Administering Linux servers, Shell scripting (bash)

Building tools: Gulp, Grunt, Apache Maven, Gradle, Ant, GNU Make

Version Control: GIT, Subversion

IDE-s: Emacs, VS Code, WebStorm, IntelliJ IDEA, VIM

Professional Experience

05/2019 – Present Freelance developer, client: Cold Bore Capital Management LLC

Main technologies used: Javascript, GoLang, Python, ReactJS, Docker

Helping to build internal and company wide tools for acquired companies.

1. Data extraction project. Implemented in GoLang. Deployed to Linux, Windows and Raspberry Pi computers. Description: Extracting data from different databases (MySQL, Postgres) and sending them to server for post processing. Project duration: ~ 3 months
2. Pipeline CRM project. Web project / ReactJS / GoLang. Description: Entering potential leads and keeping track of them in Web application. Project duration: ~ 1 month.
3. Helping with Wordpress setups, dockerization, server management.
4. Implementing Secure FTP server with strong encryption. Implemented in GoLang. Project duration: ~1 month.
5. Data API / synchronization project. Synchronizing veterinarian data between Ezyvet and internal database. Implemented in GoLang. Duration: ~ 1 month
6. Data conversion project. Implemented in Python. Description: Receiving veterinarian records and processing and summarizing the data for analytics. Duration: ~2 months.

12/2018 – 02/2019 Freelance developer, client: Planlogi OÜ

Main technologies used: React Native, Javascript

Building a mobile application in React Native. Duration: ~3 months

05/2018 – 01/2019 Freelance developer, client: Noia Network Ltd

Main technologies used: Solidity, Web3.js, Geth, Javascript, Typescript

Helping to build a blockchain based CDN (Content Delivery Network). Implemented in Typescript / Web3.js / NodeJS. Description: Building a library for CDN clients to interact with Ethereum blockchain. Also helping to build smart contracts in Solidity. Duration: ~6 months.

03/2016 – 12/2019 Freelance developer, client: IDT

Main technologies used: Javascript, Typescript, NodeJS, GoLang, Angular 2, Aurelia, HTML5, CSS3, Workfront

Developing backend tools for Company internal users.

1. Project Clover. Implemented in Typescript. Description: Main goals: a server side program to interact with Workfront to create issues, projects etc and poll updates / notes. Duration: ~ 6 months.
2. Google Chrome extension. Implemented in Javascript / CSS. Description: Augment the Workfront projects, Issues, Tasks with custom functionality. Duration: ~ 2 month.
3. Internal CRM. Implemented in Aurelia, NodeJS. Description: Replicating Workfront functionality - Issues, Tasks, Projects and syncing them with Workfront. Duration: ~ 2 months

08/2017 – 03/2020 Freelance developer, client: Edicy

Main technologies used: Javascript, ReactJS, CSS

1. Developing frontend application with ReactJS to manage Estonian Song and Dance Festival. Duration: ~6 months.
2. Developing next generation Website builder. Implemented in ReactJS, Javascript, CSS. Duration: ~1 year.
3. Developing next generation Website editor. Based on Prosemirror framework. Extended with ReactJS. Duration: ~1 year.

11/2014 – 05/2016 Freelance developer, client: Exaget

Main technologies used: Javascript, HTML5, CSS, Angular 1, Java, MongoDB, Amazon Services

Developing a backend tool for digital-audio advertising platform <http://www.exaget.com> . The backend tool purpose was to allow Exaget clients to make new audio campaigns that run on Exaget platform. Duration: ~1.5 years.

06/2014 – 05/2015 Freelance developer, client: Loquiz

Main technologies used: **Javascript, HTML5, CSS, NodeJS, MySQL**

Developing a backend tool <http://loquiz.com/> for gamification platform. The backend tool main purpose was to allow Loquiz clients (event professionals) to manage their outdoor games. Duration: ~1 year.

06/2013 – 02/2015 Freelance developer, client: Ixonos

Main technologies used: **Android, Java, Robotium, Robolectric**

Developing a native Android applications as a contractor. This native android application has been already deployed on manufactured phones and is a part of an applications infrastructure for a big phone manufacturer.

This android application's main purpose is to provide users an interface for selecting installable games & applications and to allow users to install these applications on their phone.

Setting up testing frameworks & implementing tests based on Robotium & Robolectric.

Software Development has been done using mostly Scrum.

Duration: ~1.5 years

05/2012 – 10/2017 Shoppa.ee, Lead Developer, System administrator - Tallinn, Estonia

Main technologies used: **Java, Javascript, HTML, CSS, Apache Solr, Elasticsearch, PostgreSQL, Redis, XML**

Project duration: ~5 years (Ongoing).

Lead developer (Java, Web) and system administrator for Shoppa.ee e-commerce site (<http://www.shoppa.ee>).

Main responsibilities: Developing and administering Shoppa.ee e-commerce portal.

Integrated Shoppa.ee with a lot of suppliers (Java). Integration was done with batch processes using the xml as communication protocol. The main purpose was to synchronize inventory & product data.

Developed a purchase management interface (Java, HTML, Javascript, CSS) & warehouse management interface (Java, Javascript, CSS, HTML). The business purpose for this was to automate & reduce the amount of manual work that needs to be done to issue & manage purchase orders & inventory.

Developed further a product management interface to simplify product management.

Developed further a sales orders management interface to simplify order management.

Developed an interface for purchase invoice management & an interface for bookkeeper to check, review and accept purchase invoices. These invoices go to bookkeeping software after review and acceptance.

Reimplemented a checkout process in Shoppa.ee.

Developed "best deals" section for Shoppa.ee.

Managing Shoppa.ee Linux servers, installing & upgrading system software, keeping track of backups.

Software Development has been done mostly in a very agile manner (although no special SD framework has been used), in a continuous deployment manner (multiple deployments in a day & monitoring usage and failures). Duplicated frontend instances to manage updates with restarts & an events system along with graphs to monitor the system usage & get feedback about failures.

08/2004 – 04/2012 Jawilla Software, Lead Developer, System administrator - Tallinn, Estonia

Main technologies used: **Java, Javascript, CSS, HTML, PostgreSQL, MySQL, Oracle, Apache Solr / Lucene, Redis, XML, J2EE, J2ME**

Lead development experience for a lot of server side & web based systems & portals.

Developed multiple e-commerce sites, including: <http://www.hansapost.ee> , <http://www.bauhof.ee>, <http://www.on24.ee> , <http://www.shoppa.ee> and different e-service portals for Estonian companies.

Developed e-commerce platform for Shoppa.ee, including frontend (<http://www.shoppa.ee>), backend, data importer (xml products synchronization) & other modules for platform. Technologies used: Java, Jetty, Apache Lucene, Apache Solr, PostgreSQL, Redis.

Setup & administration of Linux servers (Gentoo, Ubuntu, openSUSE, Debian) used for developed e-commerce sites. Developing deployment scripts, monitoring scripts. Shell scripting,

installing & configuring application servers (Tomcat, Jetty, Apache Solr, ...), web servers (Apache Http, Nginx, ...), database servers (PostgreSQL, Redis, ...), all that was needed for e-commerce site to function normally.

Setup & administration of internal servers (Fedora, CentOS, Ubuntu) for company & software development. Setting up and administering internal applications servers for company and software development.

Developed e-service portal and web interface for automated parcel terminals deployed in Estonia. A system consists of automated parcel terminals spread over the country where each of them has automated terminal interface. Users use the system by sending packages (self-service), placing packages and printing receipts. Technologies used: Java, Javascript, CSS, HTML, PostgreSQL, SQLite.

Developed Web based B2B order management system for one of the biggest Estonian tailor manufacturer. Web based system is supporting internationalization in multiple languages & currency, product catalogs, order management, user management, notifications via emails and is integrated with company in-place information systems. Technologies & Platforms used in a project: Tomcat, Java, Servlets, HTML, CSS, Javascript, PostgreSQL.

Developed a web based CRM application. Technologies used: Tomcat, Java, Servlets, HTML, CSS, Javascript, PostgreSQL.

Developed Windows application deployed on Windows XP that monitors the Estonian Police "E-Police" application environment by managing the application, hardware and connections.

Developed Gaming platform with web based admin front-end and server backend in J2SE, JSP and MySQL, enabling multiplayer gaming on mobile phones.

Developed Instant Messenger platform in J2SE which enables mobile applications to exchange text messages, also information about buddies (visibility, offline, online, away), adding/removing buddies. Technologies & Platforms used in a project: Tomcat, Java, Servlets, XML, MySQL. Platform was used in J2ME mobile games & applications.

Developed multiple mobile games & applications in J2ME as a development lead to run on wide set of mobile devices. Technologies used: J2SE, J2ME, MySQL, PostgreSQL.

Developed web based wood portal supporting internationalization, product and company catalogs, forums & news. Using Tomcat, Apache Cocoon, J2SE, HTML, Javascript, CSS. Portal has MySQL database backend to save & retrieve data.

Software Development for projects has been done using agile principles. For each project a backlog was developed, prioritization with a client was made for tasks to work on first & tasks were assigned and progress tracked using FogBugz. In early stage a test system was setup for clients to review the progress of tasks.

For some projects a TDD was practised using JUnit & mocking libraries.

2/2004 – 10/2004 **Bluewolf Group LLC**, Lead Developer, Consultant - New York, USA

Main technologies used: **Java, Javascript**, SOAP, XML

Created Integration applications in Java for clients like ADP, Interwoven, Solectron, CLP, Zantaz, VNU, etc. The applications transformer existing clients data from CRM and synchronized it to salesforce.com via soap. Created client side Javascript library and framework to communicate with salesforce.com via soap protocol.

11/2003 – 2/2004 **Bytelogics Inc**, Senior Software Developer - New York, USA

Main technologies used: .NET, Java

Developed .NET based websites like www.weightlossbuddy.com using C# to connect to Microsoft SQL Database, user registration, search, image uploading.

8/2001 – 11/2003 **Aqris Software**, Software Developer - Helsinki, Finland. Tallinn, Estonia.

Main technologies used: Java, Linux, Oracle RDMS, Solaris, HTML, Apache Avalon, Shell scripting, Tomcat, JBoss

Developed server side applications in **Java** and administering Oracle databases. Technologies used: Java, Servlets, JSP, Oracle RDMS, Linux, JavaScript, XML/XSL, Java J2EE

Developed a refactoring tool **RefactorIT** and a contract based Java preprocessor tool **ContractIT** (AspectJ). Once it was one of the leading refactoring tools. Created a Credit card

payment system to buy licences for it. Runs on Linux machine with Tomcat as front-end and Postgres RDBMS as backend for saving ordering information. E-mails the ordering report to customer and sends a license if credit-card ordering takes place. Internally uses IDEA algorithm for signing the data that are being sent between bank and a server.

Developed **Java server side applications for mobile devices** for www.Zed.com using Apache framework including Tomcat as servlet engine. **The company was acquired by Yahoo.**

Created custom Avalon components for sending SMS messages, purchasing tickets with mobile phones, logo & ring-tone sales.

Set up **Tomcat servlet** engine as a front end and Oracle as database backend together with web interfaces for administering the content behind application databases, reporting, searching. Mobile requests were processed with servlets and Web front-end with JSP. CVS version control with central server.

Performance testing Java applications on **Solaris** machines. Stress testing servers and measuring the tps for them. Writing shell scripts to measure CPU usage, memory usage, server load, file storage, DB connections.

Part of the applications support team. This included day-to-day communication with UK, Germany, Italy, Finland. Setting up new versions of applications on Solaris machines, configuring them. Putting them live.

Coding activity & expenses reporting applications in Java for Aqris Software AS. Using Tomcat with Servlets and JSP as front end, **JBoss (EJB container)** as middle-tier and Postgres as database backend.

Initiating and setting up Project Documentation Systems for Java applications as in www.apache.org

Software Development was done mostly using Extreme Programming methodology.

9/1998 – 6/2001 **Liewenthal Electronics** , Software Developer - Tallinn, Estonia.

Main technologies used: **C/C++**, Java, JSP, SQL, HTML, CSS, Linux, Embedded Systems

Embedded software development using C on RISC processor to analyze data coming from external measurement and diagnostic devices for telecom networks for **Nokia**

Developed card payment systems for Finnish banks using **SWIFT in C++**

Developed web based monitoring tools. Web part in HTML and Java Applets and monitoring communication through HTTP protocol.

Developed software for StrongARM microprocessors in C language.

Education

1996 - 2000 **Tallinn Technical University**, Estonia,

Bachelor of Science, Information Technology, Informatics

Specialty: Software Engineering.

Languages

Fluent in English and Estonian