/Users/saso/Dropbox (Netlight)/Design/Deliverables/2016-11 Pixelpush color and exports of logo/Client delivery/Logos/Netlight Logo CMYK.pdf

|  |  |  |
| --- | --- | --- |
| Erika Juutilainen Web developer  Erika is a committed developer with experience from several launches of user-centric IT solutions. With a foundation in systems development, requirements definition and testing, she has created a broad understanding of the development process and its possible challenges. What motivates her is to act as a spider in the web in a complex environment, working with everything from coaching and problem solving to analysis. These skills have been developed in industries such as media, finance, e-commerce and the gaming industry. Her strength is the ability to, in a simple way, formulate problems and work out solutions that creates optimal conditions in both global cross-functional teams, as well as in smaller groups. She achieves this by continuously bridge the gap between IT and business. This is done by communicating openly and bringing a strong sense of responsibility to the table. | | |
|  | | |
| Experience Front-end developer  Senior system developer  Architect  Scrum master  Big data analyst Background Engineering degree Computer Science  Gambling  Media  E-commerce Competences Java, C/C++, Jenkins, Spring, Hibernate, ReactJS, Node.js, SASS, AWS, Scrum, Kanban, GAP, Linux, Windows, OS X, iOs, Android | Bullets/boids_CV.png | Selected experienceFront-end Developer and Architect — Cloudstreet Cloudstreet is a fast-growing technology startup that provides a value-added service platform for modern mobile networks. They had a need for a new administration panel implemented with modern technologies and that conformed to their new visual design. Erika designed a solid architecture and initial implementation for the system that was also easily expandable. Scrum Master — HSL HSL is the regional transportation authority of the Helsinki metropolitan area. In her role, Erika has helped to develop agile software development processes and understanding of the responsibilities that different roles entail. She has also made sure that the developers get to concentrate on their work and stakeholders receive the transparency that they need. UX Engineer — HSL User experience is very important in modern customer facing web services. Therefore, Erika pivoted from her position as a frontend developer to an UX engineer as the customer had a dire need for one. Erika standardized and streamlined the design process and deliveries which enabled easy development of new visual components consistent with the overall visual design of the service. Senior Web Developer and Architect — Paf Paf is a Finnish gambling company which wanted to create a renew their web page frontend while retaining the backend functionalities. Erika was involved throughout the whole process from the designing and prototyping phase of the new architecture to the implementation phase. In addition to the architecture she was essential in implementing the deployment and installing a coding style-guide to ensure readable and quality code deliveries. | |

# Assignments

## Scrum Master

HSL, Q2 2017 – Q3 2017

The HSL Journey Planner (Reittiopas) is a service very much loved and used by commuters in the greater Helsinki region. In fact, it was so loved that the same service reached a life-span of almost 15 years before it was decided that a next generation Journey planner was to be built. HSL teamed up with Liikennevirasto and LMJ in order to create this new service as a modern, open source platform.

After the official launch of the service, there was no decrease in intensity of development. Rather pressure on the project increased. Furthermore, there was still much that could be improved in regards to organization and processes, as the journey planner lives and grows in a complex environment of users and stakeholders. The launch of the application and the recent restructuring of the entire organization at HSL was the perfect time to take a step back and consider how things could be improved.

In timing with the launch, the previous Scrum Master left the project and Erika was the natural successor. As a certified SM and passionate about people and how they work, Erika eagerly accepted the role. Challenges included the team needing to take a more active approach in improving their ways of working, the organization being unexperienced with agile software development and there being a plethora of unclear roles and responsibilities. Erika early on made sure that there was a clear and transparent process for how requirements were refined and designed, as well as helped the organization understand what was expected of the different roles and equally importantly - what was not. She worked hard on making sure that the developers got to concentrate on their work and that stakeholders received the transparency they needed to trust the process.

**Keywords:** Scrum, Cross-organizational retrospectives, Lean Coffee, Process Design, JIRA

## Frontend Developer and Architect

Cloudstreet Oy, Q1 2017

Cloudstreet is a fast-growing technology startup that won the Best Connectivity Solution award at the World Communications Awards for 2016. They provide a value-added service platform for network operators combining business and network layer technologies to enable application-aware networks for the delivery of guaranteed quality of experience to customers.

Cloudstreet wanted to create a new administration panel for their platform using modern web technologies, which would be more maintainable than their old solution.

Erika was assigned to kickstart the project by deciding on the frontend architecture and creating an application frame upon which further development would be easy. At the start of the project, Erika was also involved in solving backend platform build issues which needed to be handled before the frontend development could truly begin. After these issues were worked out she decided on the frontend architecture and began implementing it.

Despite a very tight schedule the project was delivered on time and with great feedback from the customer. Erika was especially appreciated for her proactive approach and competence within both frontend and backend technologies.

**Keywords:** HTML, Typescript, Angular 2, Tomcat, Maven, Spring, Hibernate, OS X, Linux, IntelliJ IDEA

## UX Engineer

HSL, Q3 2016 – Q1 2017

The HSL Journey Planner (Reittiopas) is a service very much loved and used by commuters in the greater Helsinki region. In fact, it was so loved that the same service reached a life-span of almost 15 years before it was decided that a next generation Journey planner was to be built. HSL teamed up with Liikennevirasto and LMJ in order to create this new service as a modern, open source platform.

While the development team had very skilled developers and one experienced graphic designer, there were no established ways of working when it came to ensuring the User Experience and UI quality of the service. Designs were usually approved by default and shared ad-hoc as image files through whatever channel seemed fit, and there was no acceptance or assurance of the resulting implementations. Tasks would often be delayed because assets were missing or designs incomplete, and there were no established practices for styling.

Erika stepped up to the plate to serve as the team’s UX Engineer and tackle these challenges. First and foremost, she served as a partner-in-crime with the designer, iterating designs further, making sure they were feasible and usable, and that the assets needed for implementation existed before going into development. This made development more predictable and less wasteful. Erika also started reviewing all new features from a UX standpoint, whereas the only gate had been a code review, catching flaws that would have previously reached users. She also brought in new tools, such as Zeplin. Zeplin helps keep designs up to date and available for all stakeholders, but more importantly, developers no longer had to guess dimensions and other specifications from looking at a PNG. Finally, Erika started creating standards and general practices for styling, that improved the maintainability and configurability of the UI.

**Keywords:** Scrum, SASS, Zeplin, JIRA

## Full-stack Developer

HSL, Q2 2016 – Q3 2017

The HSL Journey Planner (Reittiopas) is a service very much loved and used by commuters in the greater Helsinki region. In fact, it was so loved that the same service reached a life-span of almost 15 years before it was decided that a next generation Journey planner was to be built. HSL teamed up with Liikennevirasto and LMJ in order to create this new service, as a modern, open source platform.

Replacing a service used by hundreds of thousands of users daily entirely, including the routing engine, API’s and front-end is no easy task. Making it customizable, extendable and maintainable, modern while at the same time lovable by users accustomed to the old service further complicates that mission. It requires passionate and skilled people working tightly together.

Erika joined the so called Digitransit team as a full-stack web developer to reinforce the overworked developers that were building this service. The project required being able to quickly adopt the domain and the very fresh tools and technologies in use. The core development team played a key role in shaping the new journey planner, managing stakeholders and maintaining contact with the developer community around the new platform.

**Keywords:** React, Relay, Fluxible, SASS, Java, OpenTripPlanner, OpenStreetMaps, Scrum

## Full-stack Developer

HSL, Q1 2016

HSL is the public service provider of the greater Helsinki region. They realized the importance of digitalization for staying competitive in the modern market. Public transport in fact requires rather rigid and broad digital services in order to provide a smooth experience for commuters. This is growing ever more important when considering the strive to decrease private transportation and the birth of new forms of public and collective transportation.

One pressing issue HSL faced was being able to communicate upcoming changes in the public transport routes and schedules before they took place. Traditionally this had been done through announcements and notifications in news and media channels, but those methods do not capture well how the everyday habits of commuters would change in practice.

Erika was brought in as a one-man team to tackle this problem, handling project management, design and implementation of a web application called “Tulevat Reitit” that performs so-called profile routing. The project was on a tight schedule to meet marketing deadlines for the upcoming overhaul of the Espoo public transport system. Challenges that Erika solved ranged from complex data processing and conversion, developing a highly usable UI and managing requirements from different parts of the organization. In the end, Erika delivered on time though tight collaboration with key public transport experts.

**Keywords:** React, Transitive.js, Python, Java, GTFS, OpenTripPlanner, OpenStreetMaos, Kanban, Pair Programming

## Senior Web Developer and Architect

Ålands Penningautomtföreningen (Paf), Q4 2015

Paf is a gambling company based in Mariehamn, Åland islands. Paf produces and operates a full range of gambling activities on its Paf.com site as well as on passenger ferries sailing between Finland, Estonia and Sweden. Paf employs some 350 people globally.

Paf’s website Paf.com is a big website with a lot of content that changes almost daily through a CMS system. It also includes gambling games for almost any category: slots, betting, bingo, poker, etc.

Paf needed a skilled web developer and architect with good all-around knowledge in front-end development and especially in JavaScript and AngularJS.

In her role Erika was a key member of Paf’s web development team having responsibilities in refining the architecture of their JavaScript codebase and improving the development environment and tools. Because of his extensive knowledge in modern web development technologies, Erika also provided essential support to other developers at Paf, and was appreciated for doing so.

The project ended with a successful release of the completely new website. Erika’s proactive approach to continuous improvement and precise execution had important influence for the project results. Erika was also valued by his team for his reliability and cooperation skills.

**Keywords:** HTML5, CSS3, JavaScript, AngularJS, jQuery, SASS, Apache, NodeJS, Vagrant, VirtualBox, WebStorm, VS Code, NPM, Grunt, OpenCMS, PatternLab Toolbox, Perforce, Jira, QuickBuild

## Lead Frontend Developer

HSL, Q3 2015 – Q4 2015

Helsinki Region Transport (HSL) is a joint local authority whose member municipalities are Helsinki, Espoo, Vantaa, Kauniainen, Kerava, Kirkkonummi and Sipoo. HSL began its operations in 2010. Some 345 million journeys are made on HSL's transport services annually. HSL’s annual operating income is about €550 million, of which ticket revenue accounted for some 270 million. HSL has 360 employees.

Helsinki Region Transport is currently developing a new generation open journey planner together with the Finnish Transport Agency, which will be based completely on open source software and include new features, such as using real-time information in journey planning.

Erika joined the team as the lead frontend developer to enhance the user interface to better fit the needs of the users. She works in close collaboration with the designer in the creation of design elements and in the specification of usability requirements. Erika implements several UI components and refactors the frontend to improve reusability of style elements. In addition, she creates a style guidelines for developers to follow in future development.

The result of Erika’s work is closing the gap between the designer and the development team. The style guidelines act as a communication channel between the designer and developers and also enhance the documentation of the UI components. Furthermore, the ability to reuse UI elements across the application improves the maintainability of the code.

**Keywords:** HTML, JavaScript, CoffeeScript, JSX, SASS, Foundation 5, Foundation Apps

## Senior Web Architect (Implementation Phase)

Ålands Penningautomtföreningen (Paf), Q1 2015 – Q2 2015

Architecture wise Paf wanted to build a whole new front-end for the website while still maintaining most of the back-end functionalities. As such a massive front-end project would be built completely from scratch with only a prototype as an example, it was important to polish the underlying architecture thoroughly before starting the project. Latest technologies were decided to be taken into use, to ensure the quality of the new platform and its suitability for easy future development.

Erika was actively working together with other Paf architects to come up with the best solutions of a clean and fast development environment while still maintaining a great quality and structure of the project. The tools of choice were to setup a virtual Linux environment for each developer using Vagrant. This made it easy to start developing from any computer or operating system instantly with all configurations running automatically on startup of the virtual machine. Other than this Erika also helped out by writing build-scripts and other task-runner scripts with Grunt and figuring out the best file structure for an Angular application. She even set a standard for the project by implementing a style-guide of how to write the Angular JavaScript code to always maintain quality code even though there were a lot of developers involved in this project.

Paf was very pleased with Erika’s help and decided to extend his contract to get further help and to maintain the high quality standard of the project architecture for other parts as well.

**Keywords:** Node, NPM, Grunt, SASS, Uglifier, Karma, Jasmine, Protractor, Webstorm, VS Code, Terminal, Vagrant, VirtualBox

## Senior Web Developer and Architect (Prototype Phase)

Ålands Penningautomtföreningen (Paf), Q4 2014 – Q1 2015

Before starting to build the new website that they called “*The most beautiful site ever*”, Paf wanted to build a Prototype of the site. For this they wanted Erika to help them with front-end scripting and architecture.

Since Erika had great experience in web project architecture she started helping out with the prototype architecture that would later be inherited to the real product. She also worked a lot with front-end scripting and AngularJS, which was after research chosen to be the main library for the new website.

Prototype ended up being a success and a great starting point for the new project. Developers and managers were really satisfied of the new architectural changes that were made to speed up the build-scripts and the overall development.

**Keywords:** HTML5, CSS3, JavaScript, AngularJS, jQuery, SASS, NodeJS, Vagrant, WebStorm, VS Code, NPM, Grunt, PatternLab Toolbox, Perforce

# Passion projects

**Netlight’s consultants are passionate individuals whose strive to create reaches beyond their work. Thanks to these projects, the consultants are often able to contribute with additional valuable perspectives, experiences and knowledge to their client assignments.**

## Makeitnew.io – A platform for knowledge sharing

Erika’s passion is the sharing of knowledge, and she enjoys writing. Since sharing knowledge through meetings, workshops or discussions isn’t always appropriate, Erika wanted to find alternate and more flexible means of sharing knowledge. Erika and a small number of Netlight colleagues therefore joined up and started the blog Makeitnew.io, which now works as a forum for sharing knowledge where all Netlighters can contribute their thoughts.

## Lundakarnevalen (the Lund Carneval)– App

Erika was one of two head developers for the official Android app for the event. Lundakarnevalen is a student festival with over 400,000 visitors and 5,000 volunteers, held every fourth year. During the event weekend, the app had 2500+ downloads and was highlighted by multiple businesses.

Keywords**:** *Java, Git, Github, open-source, REST, Xml, Android, Json, Android studio*

## OpenHack – Coding for humanity

During her studies, Erika founded and ran a Hackathon in cooperation with a group of students. It was called OpenHack – “coding for humanity” and engage 100 developers as well as aid organizations over a weekend. The aid organizations (SIDA, The Red Cross etc.) came to the developers with challenges, who had full IT support over the Hackathon weekend. Erika and her team named winners in different categories, who could realize their ideas with the help of IBM. The Hackathon was also held the following year and won the award “Inspirer of the Year” at the CIO Awards in December 2016.

# List of experiences and competences

|  |  |  |
| --- | --- | --- |
| Experiences | Competences | |
| Agile Coach  Architect  Back-end Development  Business Intelligence  Data Analytics  Data Engineer  Data Warehouse  Database Architect  Database Designer  Database Modelling  Front-end Development  Java Developer  Lead Developer  Machine Learning  Artificial Intelligence  Product Owner  Project Management  Release Management  Requirements Analysis  Scrum Master  Senior Developer  Streaming Architect  System Architect  System Design  System Integration  Team Developer  Technical Project Leader  UX Designer  Quality Assurance  Continuous Deployment  Test Automation  Cyber Security  Encryption  Virtual Reality  … | UX Adobe Experience Design  Lean UX  Photoshop  Proto IO  Scrum  Sketch  … Front-end Angular.js  Angular 2  ASP.NET MVC  Backbone  Bower  Browserify  CoffeeScript  CSS / CSS3  D3.js  Ember.js  ES6 / ES2015  Express.js  Flux  Foundation  Grunt  Gulp  GWT  Handlebars.js  HTML5  JavaScript  JQuery  JQuery Mobile  JSON  JSP  LESS  Mustache.js  Node.js  Npm  PHP  React  React Native  Redux  REST API  Sass  SOAP API  Stylus  Twitter Bootstrap  Vue.js  Web Services  Webpack  XML  … Back-end C#/.NET  .NET Core  ASP.NET MVC  ASP.NET Web Forms  AWS  Azure  C  C++  Clojure  DevOps  Django  DTAP  EJB  EJB3  Erlang  Groovy  Go (Golang)  Haskell  J2EE  Java  JDBC  JMS  Apache ActiveMQ  JSE  JSF  JSP  Kotlin  Lua  Node.js  Objective-C  PHP  Python  R  Ruby on Rails  Rust  Scala  Apache Camel  Servlets  Spring  Struts  Swift  WebLogic  XML  … Test A/B testing  Boost Test  FakeItEasy  jUnit  LoadUI  Moq  MSTest  NSubstitute  nUnit  og  PyUnit  Quickcheck  Smoke Testing  Regression Testing  Load Testing  Performance testing  SoapUI  xUnit  … | App Amazon Kindle Fire  Android Studio  Swift  Visual Studio  Windows Phone  Xcode  … Databases Apache CouchDB  AWS  Azure SQL  Bigtable  Cassandra  CouchDB  eXistdb  HBase  HDFS  Microsoft SQL Server  MongoDB  MySQL  Oracle DB2  PostgreSQL  Raven DB  Redshift  SQLite  … Data Cascading  Crunch  Elasticsearch  Hadoop  Hive  Kafka  Kibana  Klipfolio  Logstash  Luigi  Power BI  Qlik Sense  Qlikview  Qlikview Desktop  Qlikview Publisher  SAS  Scalding  Spark  SSAS  SSIS  SSRS  Tableau  Xplenty  … Project management Agile  Confluence  eXtreme Programming (XP)  GitHub  ISO 21500  JIRA  Kanban  Podio  Rational Unified Process (RUP)  SharePoint  Scrum  Test Driven Development (TDD)  Trello  Waterfall  … Configuration Management ClearCase  Git  Github  Maven  Mercurial  QDF  Subversion  Team foundation  TortoiseSVN  Jenkins  BitBucket  …. DevOps Ansible  Docker  Hudson  Jenkins  OpenStack  TeamCity  Travis CI  Vagrant  … OS/Editors Android Studio  Arch Linux  Eclipse  Emacs  IntelliJ IDEA  OS X  Ubuntu  Unix  Visual Studio  Windows Server  Windows XP/7/8/10  XCode  Atom  SQL Developer  … |