



Erica Jakobsen

## Software Developer

Your short, personal introduction to your professional self. Focus on summarizing your professional profile and experiences but also let your personality shine through as you describe yourself and by the language you use by being professionally personal. The section should be written in third person and approximately 400-600 characters long.

Erica 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 create 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

Experience is a selection of the roles you could be able to take at a client.

Frontend developer  
Senior system developer  
Architect  
Scrum master  
Big data analyst

### Background

Background is selected from your education and industry experience.

Master's degree in  
Engineering, Computer  
Science  
Finance  
Media  
E-commerce

### Competences

Competences is selected from your technologies, methodologies and environments lists.

Java, C/C++, Jenkins,  
Spring, Hibernate, CMake,  
Elastic Search, Cassandra,  
AWS, Google Big Query,  
Scrum, Kanban, GAP,  
Linux, Windows, OS X, iOS,  
Android

### Selected experience

This section is for listing your most relevant and impressive engagements in short form. *This section will not be used in your specific template. In your draft you will focus on entering your experiences under "Project Experience".*

#### Frontend Developer — The New barnkanalen.se

The Children's Channel website is a part of the Swedish Television, SVT. When the usage continuously increases, the need to constantly develop both content and technical solutions are always present. In the role of a frontend developer, Erica has built up the new barnkanalen.se from scratch using modern web technologies. She has also been responsible for the planning and architecture.

#### Senior System Developer — Monthly Stock Market Savings

Nordnet is one of the leading online brokers in the Nordics. As the interest for saving in exchange-traded funds has increased among Nordnet's customers, a need for a web service for monthly savings became present. Erica has, as a senior developer, developed the solution from scratch together with the frontend designers in the team.

#### Scrum Master — Candy Crush

King is one of the world's largest gaming companies and altogether King's games attract 200 million players daily. Erica has, as Scrum Master and Agile Coach, helped several gaming teams to work independently and self-improving. She was also involved in building up a group of competent teams from the ground when King developed the latest game in their franchise Candy Crush.

#### Data Engineer — Music Streaming Payments

Spotify is a company with a revolutionary music service. Erica was the first Computer Engineer in their payments team, where she helped Spotify to start the mapping of all generated events in the payment flow. She also assisted with the migration of Spotify's new computer platform.



# Project Experience

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*This section is for listing your experiences. The descriptions should be written in third person in about 850-950 characters, optimally fitting two cases per page with some air.*

*Divide each case into 3 sections focusing on...*

- 1. the company background (2-4 lines of text)*
- 2. the team/project and its challenges (3-6 lines of text)*
- 3. the role you took, what solutions you created and what the results of those solutions were for the company and/or the end users (3-6 lines of text)*

*Below you will find some examples of experiences.*

*Important: If you have finished several projects within one company, please divide these into separate consultant profile "posts/sections" to be able to highlight how many different project experiences you have in the different technologies. Note that this is not done in these specific consultant profile examples.*

## Cloud Engineer / DevOps – Tickets and Payments Platform Storstockholms Lokaltrafik (SL), Q2 2019 – Ongoing

SL works to offer affordable public transport with good capacity and quality in the Stockholm region. They work to propose and implement regional public transport solutions to facilitate commuting and simplify everyday life for everyone in the Stockholm region.

SL worked with building "Biljett och Betalt", a new ticketing system platform. As opposed to the previous ticketing system, they wanted to have this system in the cloud and to be able to do continuous deployment. The system had to be secure, scalable and reliable.

Erica joined SL as a DevOps/Cloud Engineer and was responsible for SL's cloud adoption roadmap. With her help, SL was able to build a stable cloud architecture with security, flexibility, availability and cost optimization in mind. Erica was in the frontline setting up the entire automation, monitoring, logging, CI/CD and security compliance at SL. Thanks to her, SL started a DevOps cultural transformation within the team and the entire organization. With Erica's contribution SL now has Dockerized all applications which are now running on Kubernetes in the cloud and SL can now perform a rolling deploy within 10 minutes, which is a huge improvement compared to the weeks it took before Erica joined.

*Here you will add all your technical keywords related to the project, starting with the technologies you have used the most.*

**Keywords:** Jenkins (pipeline), Kubernetes, Docker, DevOps cultural transformation, AWS, Artifactory, Maven, Java SpringBoot, Ansible, Gradle, Sonar, MySQL NDB cluster, Grafana, Kibana, Lets encrypt, Prometheus, PostGreSQL, Terraform, Python, NBD backup/restore, Elasticsearch

## **Tech Lead / Frontend Architect – E-Commerce Platform**

### **E-commerce Company (Confidential Client), Q3 2018 – Q2 2019**

With the company's fast growth over the last few years, it needed its e-commerce platform to keep up with the ambitions of the organization. The existing platform was an aging all-in-one solution suffering from poor performance (under heavy traffic), slow user experience and lack of modularity to name a few.

Erica was first involved in designing the architecture for the new e-commerce platform. In collaboration with another architect, she took part in the investigation and the requirement gathering efforts as well as sketching the solution from a frontend perspective. Once the project was approved and a team was put together, Erica led the effort to implement the selected architecture and help create development and agile processes to sustain this development. For a year, she led the establishment of best practice agile and technical processes focusing on collaboration, communication, and fast iteration.

The new platform was fully delivered a few weeks ahead of schedule and managed to meet the expectations of the client. It also stands as an ambitious and successful reference case for using static site generation and the JAM stack for an e-commerce site.

**Keywords:** GatsbyJS, GraphQL, React, Amazon S3, AWS Cloudformation, Styled Components, AWS Lambda, Magento, Contentful CMS, Bitbucket Pipelines, Redux, Storybook

## **Data Engineer – Data Provisioning**

### **Klarna Bank AB, Q3 2017 – Q2 2018**

Klarna is the Swedish market leader in online payments and is currently expanding both in Europe and the USA. While expanding its capabilities in existing regions Klarna also wanted to launch in new regions and release completely new products.

Klarna needed to upgrade the data pipeline products in the analytics domain in a rapidly growing organization was the assignment. Erica, together with four other team members, was responsible for migrating an old system that feeds data into risk policies. Erica actively partook in designing the new eco-system by implementing a new Lambda architecture, a combination of batch and a real-time layer of data. The new eco-system requires to have very low latency in response time regardless of the volume of data. With well-defined layers and proper responsibilities and technologies, the team succeeded with a single-digit response time eco-system that is robust, scalable with zero-downtime deployment.

Erica's dedication and contribution were much appreciated by the team. The system has laid out a strong foundation for the team to develop many sub-systems and microservices that will meet the business requirements for years to come.

**Keywords:** Big Data, Microservices, Apache Hive, Kubernetes, AWS, Jenkins, Apache Kafka, Streaming, Java, DropWizard, Riak

## Backend Developer / Scrum Master – Video Core

### SVT, Q4 2016 – Q3 2017

Sveriges Television AB, SVT, is the Swedish public service broadcaster. SVTi is the part of SVT responsible for SVT's presence online.

The video-core team is responsible for publishing all online videos for SVT's different platforms such as play, news or kids to mention a few. Every day 400 new programs are being published online and they must all be transcoded, packaged, distributed and published together with subtitles, rights and other metadata.

Erica built a new system based on microservices to replace the system; a monolith responsible for automating this process. Since then the system has been expanded and new services have been added, expanded and even replaced, which is now easy to do thanks to the modular architecture. Alongside her role as a developer, Erica took responsibility for the team's processes, through managing JIRA, meetings and culture.

**Keywords:** Kotlin, Java 8, Java, Spring Boot, Spring MVC, Spring Integration, MariaDB, Redis, JavaScript, Node.js, React, React+Redux, REST, Log4J, JUnit, Mockito, Slack, IntelliJ IDEA, Git, Jenkins, GitLab, UNIX Shell, JIRA, CSS3, JSON, H2, Docker

## Web Developer – New editorial tech team

### Svenska Dagbladet, Q3 2016 – Q3 2017

Svenska Dagbladet is a Swedish newspaper with national distribution based in Stockholm. Every day, it reaches 244 000 readers. Svenska Dagbladet is a part of the Schibsted news media concern.

Svenska Dagbladet wanted to improve their process of developing digital experiences connected directly to journalism. This was achieved by starting a new digital team with a focus on editorial projects. The team would be self-sufficient and able to deliver in a fast environment that is the media industry.

The focus for Erica was to create self-contained web solutions that could be built into the existing platform. The projects were mostly developed using React in the frontend and those cases when it was needed, Node.js in the backend. Erica's five-person team was in charge of the whole development process from concept and design to development and to deployment using Travis and Heroku.

**Keywords:** Node.js, React, ECMAScript 6, Webpack, Redis, SCSS, ES6, Babel, Heroku, Travis CI, ESLint, Stylelint, HTML, Handlebars, JavaScript, CSS, SVG, Agile methodologies, JIRA, PostgreSQL, Git, D3.js, IntelliJ IDEA, Adobe Campaign, Adobe Analytics

## **iOS-Architect and Developer – Next generation iPhone app**

### **Avanza Bank, Q4 2014 – Q2 2015**

Avanza Bank is a Swedish challenger in the financial industry and has quickly become a popular choice among Swedish investors. When Avanza, in 2014, discovered that 60% of mobile visitors navigate to the Web page instead of using the app, they decided to have a renewed focus around its mobile presence.

Since the iPhone-app had expired it was decided to build an entirely new app from scratch and to also develop a new REST API. Because Avanza's goal is to offer state-of-the-art technology to its customers, they chose to build the app in Swift, which at the time was completely new.

Avanza brought in Erica as a senior developer, to manage the project and to develop and implement an appropriate architecture. A major focus was on readable and testable code and to keep technical debt low despite high development speed. For a period, she also supported the Android team in its architectural work. The app was released in time and was very well received by both Avanza and the users. This was further confirmed by the change in user behavior over time where people started to use the app instead of the website.

**Keywords:** Swift, Xcode, Android Studio, Java, Keychain, BankID, iOS, Mac OSX, Git

## **iOS Developer & Architecture – New Hemnet**

### **Hemnet, Q1 2014 – Q3 2014**

Hemnet is the most popular service for buying and selling homes in Sweden, with around 1.7 million visitors each week and one million items shown each day.

Hemnet saw a rapid increase in the number of visitors using smartphones or tablets and decided to target this segment by taking its iOS app to the next level.

Erica joined the project as an architect and iOS developer. A major focus was directed on usability, mobile advertisements and collecting usage statistics. The improved app was released last October and has been very well received by clients. Through the creation of advanced systems for collecting statistics, one could also see that users appreciated the app.

**Keywords:** Objective-C, REST, HockeyApp, ScrumXcode, iOS, Mac OSX, Git

## Continuous Delivery-expert – Automation Pipelines

Klarna AB, Q1 2013 – Q4 2013

Klarna offers a large variety of payment services and has grown rapidly. To continue to grow and meet the market needs, Klarna chose to focus on becoming more agile and responsive. By doing this with a higher intensity than in the past, Klarna could offer its customers new products and services.

Erica joined the engineering support team that provides services for automating the different steps in the pipeline for front- and backend systems, such as; infrastructure provisioning, building systems, code packaging, Continuous Integration, Configuration Management, test-driven development methodology and test automation of PE / JavaScript systems and backend systems, application deployment, reporting and feedback.

A large part of Erica's focus was on automating various parts of the pipeline, and as a senior engineer, taking a leading and guiding role in the team. Examples of the vast amount of automation that were made include automatic provisioning of test environments by integrating different virtualization/cloud technologies (vagrant, cloud thanks, Xen, AWS) and Opscode Manager (Configuration Management, Infrastructure as code), fully automated deployment pipeline for backend and frontend system based on Jenkins and streamlining the engineering support the team's performance, focus and business acumen.

**Keywords:** Continuous Delivery, Devops, Continuous Integration, Configuration Management, Infrastructure as code, Deployment Pipeline Architecture, Opscode Chef, Virtualization, Cloud Management, Cloudstack, AWS, Vagrant, Python, Bash Script, Erlang, java, maven, Jenkins, Ruby, Riak, RabbitMQ, Selenium, Git, Gerrit, JIRA, Stash, Node.js, JavaScript, grunt.js, selenium, automated testing

## Data Scientist – Big Data Platform

TV4, Q1 2014 – Q3 2014

TV4 is Sweden's leading private actor in moving media and like the rest of the media business, TV4 is currently shifting from analog to digital technology. In its strive to transform into a data-driven organization, they have established an innovation team.

The company expected its data quantity to increase exponentially in the future. This increased requirements on scalability in the areas of storage, collection and analytical methods.

Erica's areas of responsibility were Data Science and Big Data Engineering. As a solution architect for the Big Data platform, she was responsible for storing, collecting and analyzing data in the best way possible. She was also a part of developing scenarios and evaluating these with the help of statistical methods and machine learning. The supplied Big Data platform enabled analysis of large amounts of data while maintaining high performance.

**Keywords:** Redshift, Hive, Hadoop, BigQuery, Python IT-Architecture, Information modelling, Spark, AWS, Google, Qlik, Tableau, MS suite

## Team Lead & System Architect – Digital Channels

### Bonnier News, Q1 2014 – Q3 2014

Bonnier News is a business unit that comprises all Bonner owned daily newspapers as well as businesses in adjacent areas.

At the start of the year 2014, Bonnier News decided to rebuild most parts of their digital channels. From a business perspective, they wanted to become data-driven, increase customizability, and drastically reduce time-to-market. To achieve this, Erica was recruited to build a team and a technical platform with the purpose to make available all material in the Dagens Nyheter, Dagens Industri and Sydsvenskan newspapers.

During 2014, the team grew from one to eleven members. Erica dedicated much of this time to create a positive, value-creating work environment through group dynamics and agile processes. When Erica wasn't occupied with leadership or recruitment, the focus was at delivering the actual product, a REST API built on Elastic search, Redis and MySQL. As the team and API grew and stabilized, she spent time on managing operations, such as choosing an operations partner and acquiring hardware.

**Keywords:** Java 8, Groov, Jersey, Swagger, HTTP2, REST, Centos, Mac OS X, IntelliJ, Docker, Helios, Salt, Ansible, Open Stack, Redis, ElasticSearch, MySQL, Jetty

# Passion Projects

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*In this section you can add your passion projects that you have created outside of work. It could be hobby projects, hackathons etc. Describe your passion project in approximately 500 characters.*

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.

## Högskoleprovet (Swedish Scholastic Aptitude Test) – Studying app

Erica took the Swedish Scholastic Aptitude Test in 2012 and felt that there was no good way to practice for the test on smartphones. Hence, she single-handedly learned to develop iOS applications. She then developed an app acting as an aid for practicing prior to the aptitude test. The app has received very good reviews and been appreciated by customers for its good design and usability.

**Keywords:** *Objective-C, Swift, JSON, SQLite, OS X, Xcode, Apple App Store, iOS, Adobe Photoshop*

## Makeitnew.io – A platform for knowledge sharing

Erica's passion is the sharing of knowledge, and she enjoys writing. Since sharing knowledge through meetings, workshops or discussions isn't always appropriate, Erica wanted to find alternate and more flexible means of sharing knowledge. Erica 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 Carnival) – App

Erica 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, Eclipse*

## OpenHack – Coding for humanity

During her studies, Erica 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. Erica 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.

## Board member – Brittingham Viking Organization

Erica, an alumnus, is part of the board of the Swedish Committee of the Brittingham Viking Organization. Each year, the board appoints two students who are given scholarships to study at the University of Wisconsin-Madison. The work of the board includes the marketing of scholarships, selection of students for interviews, interviewing potential grantees, maintaining an active network in Sweden, and welcoming American students on exchange in Scandinavia. Erica also arranged a large convention where everybody in the USA/Sweden/Norway/Denmark meets up for a weekend of activities.



# Delivery Coaching

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*This section is not included in your consultant profile template. However, if you have experience of delivery coaching you can add it to your consultant profile as well. You will always get a Delivery Coach in each of your projects, matched to you based on how we best can help you make the best possible delivery. Being a Delivery Coach is driven by a person's interest to coach and a person's expertise in the area in which they want to coach.*

*In this section you can enter experiences if you have experience in Delivery Coaching or something similar. If not, then you can delete this section from your template.*

Delivery Coaches are senior consultants responsible for ensuring the quality of Netlight's deliveries. For each project, Netlight matches a Delivery Coach based on the expertise, industry experience and/or technology used in the project. A Delivery Coach also acts as access points to Netlight's collective international competence pool of consultants. This ensures that Netlight always delivers maximized value in each project.

## King

Netlight's involvement meant that, in the role of a game producer, create and mediate a vision for the product (one of King's signature products), as well as drive innovation and implementation towards the stated vision. This included handling the development team as well as, interaction with stakeholders and other producers. As a Delivery Coach for the project, Erica contributed to Netlight's guarantee in successful delivery of high quality.

## Acast

Acast is a tool for publishing and taking part in podcasts. Netlight received the responsibility to lead the development of a brand-new iOS app. The requirements list was extensive, and the timetable challenging, with a hard deadline for when the launch campaign would start. As Delivery Coach, Erica ensured that Netlight's delivery was up to specifications and that a first-class app was delivered in time for launch in Sweden and the UK.

## LeoVegas

LeoVegas is an award-winning supplier of mobile games, delivering many games in the gambling segment. Netlight was responsible for designing continuous user experience (UX) in several LeoVegas products, and for taking a holistic approach to the internal UX activities. Erica had the role of Delivery Coach in the project and delivered the expertise and experience necessary to help LeoVegas deliver world-class UX and handling the UX process on their own.

## Blocket (Schibsted)

Netlight took a fundamental role in two strategically important projects in the Schibsted Group where Erica worked as Senior Advisor. The two projects were linked to Schibsted's global payment solution and Blocket's ability to deliver ads. Netlight was responsible for delivering a new UX solution, as well as taking a holistic approach to product development within the segment. Erica, with her experience from payment systems, supported the project from start to successful delivery in her role as Delivery Coach.

# List of experiences and competences

*This section is not included in your consultant profile template in this size. However, on the first page of your template, you will have a miniature version of this section as well. This section is intended as a repository of all your experiences and competencies. Write everything that you have any experience of. ES (Sales) will pick the most relevant items from these lists to match your first page against client and engagement.*

*Below are some examples of different experiences and competences for inspiration. Feel free to add other relevant entries.*

| Experiences   | Competences   |   |
|---|---|---|
| Agile Coach<br>Architect<br>Backend Development<br>Business Intelligence<br>Data Analytics<br>Data Engineer<br>Data Warehouse<br>Database Architect<br>Database Designer<br>Database Modelling<br>Frontend Development<br>Java Developer<br>Lead Developer<br>Machine Learning<br>Artificial Intelligence<br>Product Owner<br>Project Management<br>Release Management<br>Requirements Analysis<br>Scrum Master<br>Senior Developer<br>Streaming Architect<br>System Architect<br>System Design<br>System Integration<br>Team Developer<br>Technical Project Leader<br>UX Designer<br>Quality Assurance<br>Continuous Deployment<br>Test Automation<br>Cyber Security<br>Encryption<br>Virtual Reality<br>... | <b>UX</b><br>Adobe Experience Design<br>Lean UX<br>Photoshop<br>Proto IO<br>Scrum<br>Sketch<br>...<br><b>Frontend</b><br>Angular.js<br>Angular 2<br>ASP.NET MVC<br>Backbone<br>Bower<br>Browserify<br>CoffeeScript<br>CSS / CSS3<br>D3.js<br>Ember.js<br>ES6 / ES2015<br>Express.js<br>Flux<br>Foundation<br>Grunt<br>Gulp<br>GWT<br>Handlebars.js<br>HTML5<br>JavaScript<br>jQuery<br>jQuery Mobile<br>JSON<br>JSP<br>LESS<br>Mustache.js<br>Node.js<br>Npm<br>PHP<br>React<br>React Native<br>Redux<br>REST API<br>Sass<br>SOAP API<br>Stylus<br>Twitter Bootstrap<br>Vue.js<br>Web Services<br>Webpack<br>XML<br>...<br><b>Backend</b><br>C#/.NET<br>.NET Core | <b>App</b><br>Amazon Kindle Fire<br>Android Studio<br>Swift<br>Visual Studio<br>Windows Phone<br>Xcode<br>...<br><b>Databases</b><br>Apache CouchDB<br>AWS<br>Azure SQL<br>Bigtable<br>Cassandra<br>CouchDB<br>eXistdb<br>HBase<br>HDFS<br>Microsoft SQL Server<br>MongoDB<br>MySQL<br>Oracle DB2<br>PostgreSQL<br>Raven DB<br>Redshift<br>SQLite<br>...<br><b>Data</b><br>Cascading<br>Crunch<br>Elasticsearch<br>Hadoop<br>Hive<br>Kafka<br>Kibana<br>Klipfolio<br>Logstash<br>Luigi<br>Power BI<br>Qlik Sense<br>Qlikview<br>Qlikview Desktop<br>Qlikview Publisher<br>SAS<br>Scalding<br>Spark<br>SSAS<br>SSIS<br>SSRS<br>Tableau<br>Xplenty<br>... |

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|--|--|---|
|  | ASP.NET MVC<br>ASP.NET Web Forms<br>AWS<br>Azure<br>C<br>C++<br>Clojure<br>DevOps<br>Django<br>DTAP<br>EJB<br>EJB3<br>Erlang<br>Groovy<br>Go (Golang)<br>Haskell<br>J2EE<br>Java<br>JDBC<br>JMS<br>Apache ActiveMQ<br>JSE<br>JSF<br>JSP<br>Kotlin<br>Lua<br>Node.js<br>Objective-C<br>PHP<br>Python<br>R<br>Ruby on Rails<br>Rust<br>Scala<br>Apache Camel<br>Servlets<br>Spring<br>Struts<br>Swift<br>WebLogic<br>XML<br>...<br><b>Testing</b><br>A/B testing<br>Boost Test<br>FakeltEasy<br>JUnit<br>LoadUI<br>Moq<br>MSTest<br>NSubstitute<br>nUnit<br>PyUnit<br>Quickcheck<br>Smoke Testing<br>Regression Testing<br>Load Testing<br>Performance testing<br>SoapUI<br>xUnit<br>... | <b>Project Management</b><br>Agile<br>Confluence<br>eXtreme Programming (XP)<br>GitHub<br>ISO 21500<br>JIRA<br>Kanban<br>Podio<br>Rational Unified Process (RUP)<br>SharePoint<br>Scrum<br>Test Driven Development (TDD)<br>Trello<br>Waterfall<br>...<br><b>Configuration Management</b><br>ClearCase<br>Git<br>Github<br>Maven<br>Mercurial<br>QDF<br>Subversion<br>Team foundation<br>TortoiseSVN<br>Jenkins<br>BitBucket<br>...<br><b>DevOps</b><br>Ansible<br>Docker<br>Hudson<br>Jenkins<br>OpenStack<br>TeamCity<br>Travis CI<br>Vagrant<br>...<br><b>OS/Editors</b><br>Android Studio<br>Arch Linux<br>Eclipse<br>Emacs<br>IntelliJ IDEA<br>OS X<br>Ubuntu<br>Unix<br>Visual Studio<br>Windows Server<br>Windows XP/7/8/10<br>XCode<br>Atom<br>SQL Developer<br>... |
|--|--|---|