

Giordano Arman - Tools

This is list of descriptions of my experience with the following tools and concepts: JavaScript, Node.js, React, jQuery, Typescript, MongoDB, PHP, PostgreSQL, Concurrent Versions System, Java, Jasmine, Android SDK, Redux, Docker & docker-compose, Git, HTML, CSS, Sass, Less, Amazon Web Services, React Native, Raphaël, Meteor, Apache Cordova, Phonegap, CoffeeScript, Bootstrap, jQuery Mobile, jQuery UI, Linux, Svn, Apache Tapestry, Electron, Express, Gimp, Babel, Webpack, HTTP APIs, Github, Bitbucket, Heroku.

Here they are listed in alphabetical order:

Amazon Web Services - I have worked with it a lot since September 2015, my strengths are Lambda (using Node.js), S3, Cloudwatch, IAM, SES and the AWS JavaScript SDK libraries. I used Lambda to lower the hosting costs for cron jobs and repetitive tasks like PDF automatic filling and scraping of web pages. I have used S3 for static website hosting and as data storage to be accessed through Lambda. I also created software that uses SES through Lambda.

Android SDK - I taught myself the API basics in my free time at college. I have created a demo of an app using Facebook's Parse as backend.

Apache Cordova / Phonegap - I have used it frequently as a standalone framework, within Meteor or paired with jQuery Mobile. I have created 4 applications that rely on it.

Apache Tapestry - I used it during my work at BellaDati in Prague (Czech Republic). I learned the markup language and by the end of my stay at the company I was able to correct issues in the Java components as well.

Babel - I started using this compiler combined with Webpack for my frontend projects, mainly React-based. It is the most popular JavaScript compiler and I love being able to use the latest features of the language on the front end as well.

Bitbucket - That's where I store most of the code I work on.

CSS3 / HTML5 - I created my first application (a dossier about World War 1) when I was 8 years old and I have not stopped using CSS and HTML ever since.

CoffeeScript - I worked on Object Oriented code written in CoffeeScript on a daily basis for 6 months.

CVS (Concurrent Version System) - I have used it through a Linux client (Cervisia) from May 2019 until December 2019.

Docker & docker-compose - I use it to containerize a web app comprising of a Node.js instance and a PostgreSQL instance. I have used it in the past for a Python + PostgreSQL + Nginx app.

Electron - I have started using it in May 2017 to write desktop applications in JavaScript.

Express - I used it in most projects needing a web server in Node.js.

Gimp - It's an open source piece of software similar to the more popular Adobe Photoshop, I use it to manipulate the images I put in all the software I crafted.

Git - I started using it in September 2015, I use the command line for it, no IDE plugins.

Github - Some clients required me to use Github for project management, so I have experience with this platform as well.

Heroku - That's where I deploy most of the applications I still maintain. I started using it in July 2017.

HTTP(S) APIs - I have developed HTTP interfaces to data with JavaScript and PHP.

Jasmine - I use it for Test Driven Development, which is a must for me on the backend.

Java - I learned it at college and scored 100% on the exam on Java and data structures. I used it to teach myself the basics of the Android SDK and when I was working with Apache Tapestry components for BellaDati.

JavaScript - I learned it on my own in Summer 2014, reading and taking notes from the Definitive Guide ebook. I have used it in all the projects I have been involved in so far.

jQuery - I have used it in many projects I have worked on and I developed a deep understanding of its usage. I also know how to work around some of its issues using Vanilla JS code created on the fly.

jQuery Mobile - I used it along with Phonegap in a student project while at college. I don't use it anymore.

jQuery UI - I used it extensively in projects that don't rely on React because of its massive portability. I don't use it anymore.

Less / Sass - They are CSS preprocessors, I used them in the vast majority of the projects I have carried out so far.

Linux - I started using it in September 2013, I have experience with the following distributions: Trisquel, Mint, Ubuntu and Raspbian. I am now an Ubuntu user.

Meteor - I started using it in September 2015. I have developed 4 applications using it, some of them support mobile devices too, as hybrid applications.

MongoDB - I am familiar with many of its low level principles, like indexing, multikey indexing, text indexing, user management, RegExp quirks, `_id` creation, `$lookup` and aggregation. I know how to write performant queries.

Node.js - I started using it in September 2015 and wrote code for both Windows and Linux.

PHP - I have used it on a daily basis to maintain and develop new features on a web application, from May 2019 until December 2019.

PostgreSQL - I wrote scripts for it in order to develop new features and maintain a web application, from May 2019 until December 2019.

Raphaël (precursor of D3 data representation library) - I used it to create animated SVG chart renderers, such as scatter, bar and funnel charts.

React + Redux - React is the second Single Page Application tool I learned (the first was Blaze.js). I have been using React since May 2016.

SVN - I have used it through one of the Eclipse IDE plugins available, on a daily basis for 6 months.

Typescript - I have started studying it in January 2020. I haven't used it in production.

Webpack - I use this bundler in most of my front end projects.