CHEAT SHEET OF RESOURCESv.01 2022

Abstract

This document is a list of latest technologies that a developer can explore and check out depending on the use case and need for a possible client or employer.

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WEBDEVELOPMENT 2022 V.01

- **Algorithm:** https://www.geeksforgeeks.org/introduction-to-algorithms
- **Scratch Visual Programming:** https://scratch.mit.edu/download
- **Flowcharts:** https://creately.com/lp/flowchart-software/
- **Unified Modified Language:** https://www.uml.org/what-is-uml.htm
- **FAVICON:** https://favicon.io/favicon-converter/
- **Validator:** https://validator.nu/
- **BROWSERS**:
  - https://www.apple.com/ph/safari/
  - https://www.google.com/intl/en_ph/chrome/
  - https://brave.com/
  - https://www.microsoft.com/en-us/edge
- **TEXT-EDITORS:**
  - https://code.visualstudio.com/
  - https://www.sublimetext.com/
  - https://www.vim.org/
  - https://www.jetbrains.com/webstorm/
  - https://atom.io/
  - https://www.jetbrains.com/pycharm/
- **TERMINALS**
  - Default terminal for windows command prompt
  - https://iterm2.com/
  - https://docs.microsoft.com/en-us/windows-server/administration/windows-commands/powershell
  - https://git-scm.com/downloads
  - https://hyper.is/
- **SOFTWARE DESIGNS:**
  - FIGMA: https://www.figma.com/
  - GIMP PHOTO EDITOR: https://www.gimp.org/
  - INSCAPE: https://inkscape.org/
  - https://www.sketch.com/
- **BUILDING BLOCKS OF THE WEB**
  - **https://www.submarinecablemap.com/**
  - **HTML**
  - **CSS**
  - **FlexBox & CSS Grid**
  - **Responsive Designs**
  - **Animations**
- **EXTRA TOOLS**
  - **CSS Preprocessor**

- https://sass-lang.com/
- https://lesscss.org/
    - PostCSS
- **CSS FRAMEWORKS**
    - Tailwind: https://tailwindcss.com/
    - Bootstrap: https://getbootstrap.com/
    - Materialize: https://materializecss.com/
    - Foundation: https://get.foundation/
    - Bulma: https://bulma.io/
- **UI DESIGN PRINCIPLES**
    - Whitespace
    - Scale
    - Color&Contrast
    - Visual Hierarchy
    - Typography
- **JAVASCRIPT**
    - Learn the basics
    - DOM
    - Asynchronous
    - FETCH API & HTTP
    - Array Methods
- **EXTRA PROGRAMMING TOOLS**
- **DEPLOYING FRONTEND PROJECTS**
    - Popular platforms
        - Netflify: **https://www.netlify.com/**
        - Vercel: **https://vercel.com/**
        - cPanel: **https://cpanel.net/**
        - AmazonS3
    - Domain name registrars
        - Domain.com: https://domain.com/
        - nameCheap: https://namecheap.com/
        - GoDaddy: https://www.godaddy.com/
        - Bluehost: https://www.bluehost.com/
- **DEPLOYING TOOLS**
    - Git:
    - SSH – Secure Shell
    - FTP/SFTP – File Transfer Protocol

BASIC FRONTEND DEVELOPER PATH

- **FRONTEND FRAMEWORK**
    - **React**
    - **Vue**
    - **Svelte**
    - **State Managers**
    - **Server-side rendering**
    - **ADVANCED JS**
        - **Module Blunders**
        - **Testing**
        - **Design Patterns**

BACKEND DEVELOPER PATH

- **NodeJs, Python,PHP,C#,GO,Database(MySqli, PostGres, MongoDB),HTTP & API development**

FULLSTACK DEVELOPER PATH

- **MOST POPULAR FRONTEND FRAMEWORKS**
    - **REACT : https://reactjs.org/**
    - **VUE : https://vuejs.org/**
    - **Angular : https://angular.io/**
    - **Svelte : https://svelte.dev/**
- **TYPESCRIPT**
- **UI KITS**
    - **React**
    - **Vue**
    - **Angular**
    - **Svelte**
- **TESTING**
- **SERVER-SIDE RENDERING**
- **STATIC SITE GENERATORS: https://jamstack.org/generators/**
- **GATSBY: https://www.gatsbyjs.com/**
- **NEXT.JS: https://nextjs.org/**
- **GRIDSOME: https://gridsome.org/**
- **JEKYLL: https://jekyllrb.com/**
- **HEADLESS CMS: https://jamstack.org/headless-cms/**
    - **STRAPI**
    - **SANITY.IO**
    - **CONTENTFULL**
    - **GRAPHCMS**

o **JAMSTACT**

SERVERSIDE OR BACKEND TECHNOLOGIES

WEB FRAMEWORKS SERVERSIDE:

- **Node.js: https://nodejs.org/en/**
- **GoLang: https://go.dev/**
- **Rust: https://www.rust-lang.org/**
- **Python: https://www.python.org/**
- **Ruby: https://www.ruby-lang.org/en/**
- **Scala: https://www.scala-lang.org/**
- **PHP: https://www.php.net/**
- **JAVA: https://www.java.com/en/**
- **RR: https://roadrunner.dev/**
- **C#: https://docs.microsoft.com/en-us/dotnet/csharp/**
- **Kotlin: https://developer.android.com/**
- **Swift: https://www.swift.com/**

DATABASES:

- **PostGreSQL: https://www.postgresql.org/**
- **MYsql Database: https://www.mysql.com/**
- **Microsoft SQL Server: https://azure.microsoft.com/en-us/services/sql-database/campaign/**
- **Sqlite Database: https://www.sqlite.org/index.html**
- **MongoDb Database: https://www.mongodb.com/**
- **FIREBASE: https://firebase.google.com/**
- **SUPABASE: https://supabase.com/**
- **REDIS DATABASE: https://redis.io/**

ORMs

- **Sequelize: https://sequelize.org/**
- **Mongoose: https://mongoosejs.com/**
- **PRISMA: https://www.prisma.io/**
- **SqlAlchemy for python: https://www.sqlalchemy.org/**
- **Doctrine: https://www.doctrine-project.org/**

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- **REST APIs**
- **GRAPHQL: https://graphql.org/**

AUTHENTICAION AND AUTHORIZATION

- **JSON web tokens**
- **Cookies and sessions**
- **Oauth**
- **Authentication Libraries**
- **Password Hashing**
- **Protecting endpoints and routes**

CONTENT MANAGEMENT SYSTEM (CMS)

- **WORDPRESS**
- **STRIKINGLY**
- **SHOPIFY**
- **ELEMENTOR**
- **DRUPAL**

DEPLOYING:

- **Hosting Platforms**
  - **AWS**
  - **Heroku**
  - **Digital Ocean**
- **Server Software**
  - **Apache**
  - **NGINX**
- **Containers & Virtualization**
  - **Docker**
  - **Kubernetes**
- **Image & Video**
  - **Cloudinary**
  - **Amazon S3**

MOBILE DEVELOPMENT

- **React Native: https://reactnative.dev/**
- **Flutter: https://flutter.dev/**
- **Ionic: https://ionicframework.com/**
- **Xamarin: https://dotnet.microsoft.com/en-us/apps/xamarin**

OTHERS:

- **WEB3**
- **WEB ASSEMBLY**
- **Artificial Intelligence**

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Web Application Architecture Notes:

- **XenProject: https://xenproject.org/**
- **Model View Controller : https://developer.mozilla.org/en-US/docs/Glossary/MVC**

GRAPHIC DESIGN & OTHER RESOURCES:

- **https://www.iconfinder.com/**
- **https://rigorousthemes.com/blog/wireframe-vs-mockup-whats-the-difference/**
- **FIGMA SHORTCUTS:**
  - **https://defkey.com/figma-shortcuts**
- **GIMP Project 1 resources:**
  - **https://pixabay.com/photos/wood-wooden-table-desktop-aerial-3182655/**

FREQUENTLY ASKED QUESTIONS (FAQ):

- **Difference between visual studio code and visual studio?**
  https://stackoverflow.com/questions/30527522/what-are-the-differences-between-visual-studio-code-and-visual-studio
- **What is MERNSTACK?**
- **What is HELLO WORLD program in programming?:**
  https://en.wikipedia.org/wiki/%22Hello,_World!%22_program
- **SEO: Keywords Everywhere: https://chrome.google.com/webstore/detail/keywords-everywhere-keywo/hbapdpeemoojbophdfndmlgdhppljgmp?hl=en**
- **QUIRKS MODE: https://developer.mozilla.org/en-US/docs/Web/HTML/Quirks_Mode_and_Standards_Mode**
- **EMMET ABBREVIATION: https://code.visualstudio.com/docs/editor/emmet**
- **What is middleware: https://www.bmc.com/blogs/middleware/**
- **What is a CODEBASE: https://en.wikipedia.org/wiki/Codebase**

YOUTUBE RESOURCES:

- **MICROSERVICES: https://www.youtube.com/watch?v=j3XufmvEMiM&t=102s**
    - **https://kubernetes.io/**
    - **https://cloud.google.com/**
    - https://aws.amazon.com/
- **SERVERLESS ARCHITECTURE: https://www.youtube.com/watch?v=hCCMri3jFAo**
- **DIFFERENCE BETWEEN VMs and CONTAINERS: https://www.youtube.com/watch?v=cjXI-yxqGTI**
- **TUTORIAL FOR SETTING UP DOCKER: https://docs.docker.com/get-started/02_our_app/**
- **SAFETY 20-20-20-RULE: https://advancedeyecaremd.net/20-20-20-tipstopreventeyestrain/#:~:text=What's%20the%2020%2D20%2D20,a%20total%20of%2020%20seconds.**
- **WEB CRAWLERS: https://www.cloudflare.com/learning/bots/what-is-a-web-crawler/**
- **SINGLE PAGE APPS:**
- **WHAT ARE THE CONTENTS OF A ROBOTS.TXT: https://developers.google.com/search/docs/advanced/robots/intro#:~:text=txt-,A%20robots.,or%20password%2Dprotect%20the%20page.**
- **WIREFRAME: https://www.justinmind.com/wireframe/low-fidelity-vs-high-fidelity-wireframing-is-paper-dead#:~:text=Low%20fidelity%20wireframes%20can%20be,target%20users%20are%20accounted%20for.**