Table of Contents:

TUTORIALS

By: Alper Arabaci

1.Everything

- [Tutorialspoint](#) (FREE)

  Tutorials Point originated from the idea that there exists a class of readers who respond better to online content and prefer to learn new skills at their own pace from the comforts of their drawing rooms.

  The journey commenced with a single tutorial on HTML in 2006 and elated by the response it generated, we worked our way to adding fresh tutorials to our repository which now proudly flaunts a wealth of tutorials and allied articles on topics ranging from programming languages to web designing to academics and much more.

- [Open Source courses – from different universities](#)(FREE)

  This is a curated list of free courses from reputable universities like MIT, Stanford, and Princeton that satisfy the same requirements as an undergraduate Computer Science degree, minus general education.

- [W3schools](#)(FREE)

  If you are going to be doing any kind of test automation, you need to learn some basics about HTML and other web technologies. This has excellent resources to help you get started:
    - HTML
    - Xpath

- [Pluralsight](#) (PAID)

  This is a topnotch site with some of the best professionals teaching great topics. These professionals include John Sonmez, Aaron Frost, and Scott Allen. You can learn different programming languages like Java, C#, and Python by watching video tutorials. You can also learn automation tools

like Selenium WebDriver, Coded UI, NUnit, Visual Studio Test, and much more.

- [Coursera](#) (FREE AND PAID)
  Their motto is "Take free online courses from top universities." Therefore, you can take real college courses online. Most are completely free. The only catch is you actually have to participate in the course because they have hard start dates, homework, and quizzes. Some courses that you can partake in include:
- Software Security
- Testing with Agile
- Mastering the Software Engineering Interview
- Reviews & Metrics for Software Improvements

- [Udacity](#) (FREE AND PAID)
  This is a great site with very high-quality videos. The videos are recorded, so you can take interactive quizzes based on the content that is drawn on the page during the video. The instructor may ask you to identify the correct solution to a problem, write four answer choices, and then you can interact with the User Interface to select the correct choice.

- [Udemy](#) (FREE AND PAID)
  Udemy.com is an online learning platform. It is aimed at professional adults. Unlike academic massive open online course programs which are driven by traditional collegiate coursework, Udemy uses content from online content creators to sell for profit.

- [Codeacademy](#) (FREE AND PAID)
  Codecademy is an online interactive platform that offers free coding classes in 12 different programming languages including Python, Java, JavaScript (jQuery, AngularJS, React.js), Ruby, SQL, C++, and Sass, as well as markup languages HTML and CSS

- [Team Tree House](#) (FREE AND PAID)
  Treehouse or **(Teamtreehouse)** is an online technology school that offers beginner to advanced courses in web design, web development, mobile development and game development taught by a team of expert teachers.

  The Treehouse learning program includes videos combined with interactive quizzes and code challenges. Treehouse Tracks are guided curricula, composed of courses that train students in large topic areas. Treehouse Organizations is designed to assist businesses, organizations, schools and community programs in technology training. Companies including Simple and LivingSocial currently use Treehouse to recruit new employees based on their progress and achievements on Treehouse.[4]

- [Guru99](#) (FREE)
  Here you learn by practice. We make tons of efforts to take boredom out of learning and make education a fun experience.

  Inside, you will find tons of video tutorials

- [Lynda](#) (PAID)
  LinkedIn Learning is an American massive open online course website offering video courses taught by industry experts in software, creative, and business skills. It is a subsidiary of LinkedIn. It was founded in 1995 by Lynda Weinman as lynda.com before being acquired by LinkedIn in

- [Edx](#) (FREE AND PAID)

  edX is a massive open online course (MOOC) provider. It hosts online university-level courses in a wide range of disciplines to a worldwide student body, including some courses at no charge. It also conducts research into learning based on how people use its platform. EdX is a nonprofit organization and runs on the free Open edX open-source software platform.

  The Massachusetts Institute of Technology and Harvard University created edX in May 2012. More than 70 schools, nonprofit organizations, and corporations offer or plan to offer courses on the edX website.

- [Microsoft Virtual Academy](#) (FREE)

  This is an excellent website from Microsoft. Here you can learn a lot about all of the different Microsoft technologies from excellent and knowledgeable instructors. Some of my favorite courses to improve your automation skills include:

- Rapidly diagnose and solve application problems in Visual Studio
- C# Fundamentals
- Software Development Fundamentals

- [KhanAcademy](#) (FREE)

  Khan Academy is one of the internet's greatest treasures. This non-profit education platform has been a wonderful source of free education for the past decade, and it's only getting better. Want to learn Calculus? Biology? World History? How to do your taxes or invest your money? It's all here.

- [OpenCourser](#) (FREE AND PAID)
  OpenCourser isn't an education platform like the other sites listed above. Rather, it's a search engine that aggregates thousands of free online courses from around the web and brings them to your fingertips.

- [ClassCentral](#) (SEARCH ENGINE)
  Class Central is a search engine and reviews site for free online courses popularly known as MOOCs or Massive Open Online Courses.

- [Alison](#) (FREE AND PAID)
  Alison is one of the world's largest free learning platforms for education and skills training. It is a for-profit social enterprise dedicated to making it possible for anyone, to study anything, anywhere, at any time, for free online, at any subject level. Through our mission we are a catalyst for positive social change, creating opportunity, prosperity, and equality for everyone.

- [W3SchoolsIn](#) (FREE)
  A lot of content about different topics.

- [JavaTPoint](#) (FREE)
  JavaTpoint offers **Online Training** and **Winter Training** on Java, Blockchain, Machine Learning, Meanstack, Artifical Intelligence, Kotlin, Cloud Computing, Angular, React, IOT, DevOps, RPA, Virtual Realty, Embedded Systems, Robotics, PHP, .Net, Big Data and Hadoop, Spark, Data Analytics, R Programming, SAP, Android, Python, Oracle, Web Designing, Spring, Hibernate, Software Testing, Seleninum, Linux, C++ and many more technologies.

- [SoloLearn](#) (FREE)
  Learning on SoloLearn is completely free. Our apps are available on [Android](#), [iOS](#), and [Web](#). We do have a premium subscription available called SoloLearn PRO. With a SoloLearn PRO subscription, you will have an ad-free experience with access to a more customized experience that includes setting learning goals and access to personalized activity insights. On the social front, you can see who's viewed your profile and who's learning nearby. We add new features regularly to improve the PRO experience further.

- [LinuxAcademy](#) (PAID)
  Linux Academy was founded on the belief that providing high-quality, in-depth training should be available at an affordable price. We're industry leaders in quality training, provided services, and student certification passes. Our goal is to change lives by teaching Linux and cloud technology to the tens of thousands of students that learn at the Linux Academy.

- [Skillshare](#) (FREE AND PAID)
  Skillshare is an online learning community with thousands of classes in design, business, tech, and more. Anyone can join the millions of members in our community to learn cutting-edge skills, network with peers and discover new opportunities.

- [HackrIO](#) (FORUM)
  A forum where tutorial findings are submitted.

- [DataQuest](#) (FREE)
  Hands-on free coding courses that teach you the skills you need to become a data scientist, data analyst, or data engineer. Build projects in your browser and work on real-life data science problems.

- [Derek Banas](#) (FREE)
  Banas' specialty is condensing information about coding languages into a single video per language. Good for viewers who like longer but more thorough videos instead of bite-sized chunks, or want to watch overview videos of languages before diving into courses/curriculums.

- [thenewboston](#) (FREE)
  Here you'll find over 4,000 videos on a range of programming, game development, and design topics. It's one of the more popular channels, with almost two million subscribers learning to code with them.

  What free programming videos they offer: Android development, C programming, MySQL, Python, and more

- [Launch School Open Book Shelf](#) (PAID)
  Written to supplement Launch School's software engineering curriculum, these free books will help you learn the basic foundational building blocks of popular languages.

  What free coding topics they cover: Git and GitHub, the Command Line, Ruby on Rails, SQL

- [GeekInterview](#) (FREE)
  Geek interview is a great source of interview questions and answers related to software engineering, QA, and related technical skills. You can bookmark this website to post, find and comment any question as well as follow discussion threads to learn about a topic or question in detail. Becoming a regular visitor of this website can help you keep a check on daily updates and latest questions asked for a variety of technologies.

- [QZ](#) **[600+ Courses]** (FREE)

- [430 Free online courses](#) (FREE)
  Courses that are being offered for the first time are marked as [NEW].Many of these courses are completely self-paced. The rest will start at various times later in November. You can find complete lists of the technology-related courses starting later in 2017 and 2018 on Class Central's Computer Science, Data Science, and Programming subject pages.

- [OpenClassRoom](#) (FREE)

- [EbookFoundation](#) **[EBOOK] [GITHUB]** (FREE)
  Free ebooks from github

- [Springboard](#) (PAID)
  We believe that each of us is unique, so are our learning needs. The ideal learning experience should be designed to fit our life's pace, with support from advisors and mentors who understand us. We believe that education should prepare us for the real world, and that working on meaningful projects under the guidance of industry experts is one of the best ways to get there.

- [Hackernoon](#)
  Articles about everything.

2.Software Testing

- [Top Tutorials To Learn Selenium For Beginners](#) (FREE)
  Tutorials listed for Selenium

- [Utest – for exploring tools](#) (FREE)
  I have linked a website where you can explore most of the testing tools used in the testing industry.

- [Ultimate QA – Complete list to Practice Automation testing](#) (FREE AND PAID)
  A lot of content about every topic some are free some are paid courses.

- [ToolsQA – Every tool you can use for testing](#) (FREE)
  I recently started working on this website from Jan'14 with an intention to make Selenium learning easy and simple. Few years back when I started learning Selenium I used to hop around thousands of Selenium blogs and forums to learn stuff. Since then I always wanted to create a site which will be one stop learning experience for Selenium.

- [Resume Examples](#) (FREE)
  If you have trouble writing you resume, this can be helpful getting some ideas from other people.

- [Appium](#) (FREE)

- [ArtofTesting](#) (FREE)
  Selenium is one of the most widely used open source Web UI automation testing tools. It supports automation of websites across different browsers, platforms and programming languages. Our Selenium Tutorial is designed for beginners with basic knowledge of

programming language - Java.

- [SoftwaretestingClass](#) (FREE)
Selenium is the portable open-source software testing framework for web application automation. It provides the record (using Selenium IDE) and playback tool for your automated test cases. It is recommended to refer the Free Selenium Tutorials sequentially.

- [Software testing help](#) (FREE)
Some good tutorials about some different testing areas.

- [Selenium HQ](#) (FREE)
You cannot have a resource guide to test automation without including the headquarters of knowledge for Selenium WebDriver. This is a fantastic wiki for a great deal of information related to Selenium. Some of the topics that you can read about from the contributors themselves include:

- Advanced User Interactions
- Building WebDriver
- Developer Tips
- PageFactory

- [Test Automation University](#) (FREE)
Embark On Your Path To Become A QA **Automation** Superstar. Enroll Today. All Courses Are Free! Learn on visual **testing**. Real-world use cases. Learn about accessibility. Enroll now.
Services: **Test Automation**, Frontend Development, CI / CD & DevOps, Digital Experience, Cross-Browser **Testing**.

- [7Zone](#) (FREE)

  Testing automation is in high demand and represents a growing chunk of the software job market. Find out what knowledge and skills are necessary to break into this field.

- [Simple Programmer](#) (FREE)

  We've seen a recent rise of web-based applications in the marketplace, and an influx of more and more automation testing jobs that require programming, technical, and a variety of automation skills.

- [SoftwareTestPro](#) (FREE)

  Software Test Professionals (STP) is an online community providing software testing information, insights, and networking opportunities to 50,000 professionals globally. The website offers valuable resources such as white papers, news, articles, conferences, events, focused on the need for software testers to expand their knowledge and keep a check on the latest happening in the software testing industry.

- [MinistryOfTesting](#) (FREE)

  Ministry of Testing is a platform headed by Rosie Sherry. It propagates the message 'co-creating smart testers' with a focus on sharing updates, events and useful insights for the testing community as a whole. The website also lists jobs and news related to software testing while it also features a wide directory, showcasing testing tools, test service providers, test management tools, etc.

- [TestingExcellence](#) (FREE)

- [SearchSoftwareQuality](#) (FREE)
  We are an online community for developers, architects and executives interested in building high-quality software, or are involved in software project management, software testing and quality assurance (QA), application performance management (APM), application lifecycle management (ALM), plus many more related topics.

- [SwTestAcademy](#) (FREE)
  This website is dedicated to providing a comprehensive learning on test automation, performance testing, mobile testing, web service testing, API testing, continuous integration, and similar topics.

- [SeleniumMadeEasy](#) (FREE)
  Selenium Easy is a great website that provides a complete tutorial on test automation using Selenium. Test automation experts who are looking for tutorials on Selenium Web Driver, TestNG, JUnit, ANT, Maven, Java (required of Selenium), Jenkins, JMeter, Appium JExcel, Apache POI and JFree Chart can bookmark this website and learn from practical examples and programs.

- [TestingTechNews](#) (FREE)

- [Three Free Programming Courses for Testers | Friendly Tester](#) (FREE)
  I'm calling them courses, as in a way they are. What they all are is a collection of structured posts in a logical order with the hope of teaching/informing people of things related to programming, that I believe are important. Some posts are just text, some are posts with code examples, and some are just text with links to code over in GitHub.

All the code I've written I've heavily documented, and where possible I've added additional notes for the context of testing.

- [Top 15 Free Software Testing Tools Which Make Tester's Life Easier](#) (FREE)

  Software testing tools help to manage testing processes and make bugs and failures gathering more efficient and optimized. At TestFort, we use different QA tools for automated and <u>manual testing</u> more than 18 years and prove that the free ones can be as efficient as the paid ones. In this mini-overview, we want to go deeper to explore most effective free QA tools. We use them often and can truly say, these ones make our work easier and increase overall team productivity. This list contains only free and open-source tools which are useful for testing processes depending on the tasks, platforms, and test cases.

- [SQAStackExchange](#) (FREE)

  SQA Stack Exchange is one of the communities of Stack Exchange, which is an online platform for testers and programmers to share their knowledge and expand learning. With SQA Stack Exchange, users can engage with software quality control experts, automation engineers, and software testers around the world to post questions related to software testing, find answers and resolve common problems encountered during their software testing endeavor.

- [QATestingTools](#) (FREE)

  QA Testing Tools is a bible to get first-hand reviews and technical information about leading software testing tools. The website lists information about almost every tool that comes under the software testing scope, such as open source testing tools, defect tracking tools, agile management, ALM & test management tool, data generation, <u>GUI testing tools</u>, simulators, reporting tools. It also lists tools for different testing purposes and methods. So, if you are looking for tools specific to

any software testing purpose, this is the website you should bookmark.

● [TestingInterview](#) (FREE)
   As the name suggests, this is a web blog providing a pool of the basics and advanced interview questions which are generally asked in software testing interview. The questions are posted along with answers and examples to help any novice software tester and QA aspirant nail any software testing interview with ease.

● [RainForest](#)
   2019 is just around the corner. For many people, that means it's time for New Years' resolutions both personal and professional. Whether your team is looking to upgrade your QA process in the new year or you're looking to level up your QA career, it's always a good idea to start the new year with some fresh perspectives.

On Github (FREE)
● [Automation testing with Selenium and Java on Github](#)
● [Awesome test automation resources on Github](#)
● [Awesome Software Quality on Github](#)
● [Free learning resources as a Software Tester on Github](#)
● [https://github.com/crazy-canux/awesome-testing](#)

3. Development

- [FreeCodeCamp](#) (FREE)
  freeCodeCamp (also referred to as "**Free Code Camp**") is a non-profit organization that consists of an interactive learning web platform, an online community forum, chat rooms, Medium publications and local organizations that intend to make learning web development accessible to anyone.

  Beginning with tutorials that introduce students to HTML, CSS and JavaScript, students progress to project assignments that they must complete either alone or in pairs. Upon completion of all project tasks, students are partnered with other nonprofits to build web applications, giving the students practical development experience.

- [Codebat](#) (FREE)
  Training exercises for Java

- [Java Beginners Tutorial](#) (FREE)

- [PVTuts](#) **- For learning programming languages** (FREE)
  PVTuts is a free online repository of video courses for learning programming languages. It hasn't been updated since 2013, but the video library is still a great resource for newbies. Just know that these courses are strictly about language syntax and nothing else.

- [Mozilla Developer Network](#) (FREE)
  The aim of this area of MDN is not to take you from "beginner" to "expert" but to take you from "beginner" to "comfortable". From there you should be able to start making your own way, learning from the rest of MDN and other intermediate to advanced resources that assume a lot of previous knowledge.

If you are a complete beginner, web development can be challenging — we will hold your hand and provide enough detail for you to feel comfortable and learn the topics properly. You should feel at home whether you are a student learning web development (on your own or as part of a class), a teacher looking for class materials, a hobbyist, or someone who just wants to understand more about how web technologies work.

- [Oracle - Java Tutorial](#) (FREE)
  The Java Tutorials are practical guides for programmers who want to use the Java programming language to create applications. They include hundreds of complete, working examples, and dozens of lessons. Groups of related lessons are organized into "trails".

- [Google Analytics Academy](#) (FREE)
  Analytics Academy helps you learn about Google's measurement tools so that you can grow your business through intelligent data collection and analysis.

- [Command Line](#) (FREE)

- [Atlassian](#) (FREE)
  Bitbucket is more than just Git code management. Bitbucket gives teams one place to plan projects, collaborate on code, test, and deploy. This is a tutorial on how to use it.

- [TheOdinProject](#) (FREE)
  The Odin Project is one of those "What I wish I had when I was learning" resources. Not everyone has access to a computer science education or the funds to attend an intensive coding school and neither of those is right for everyone anyway. This project is designed to fill in the gap for people who are trying to hack it on their own but still want a high quality

education.

- [MarkSheet](#) (FREE)
An online coding resource for beginners. Broken down into four chapters: the web, HTML5, CSS3, and Sass. It's like an online ebook, but under a Creative Commons Attribution-Non Commercial-ShareAlike 4.0 International License, so you can adapt it for your needs.

- [Conquering the Command Line](#) (FREE)
Free online book by Mark Bates that goes very in-depth. You can purchase hard copy or screencasts.

- [Command Line Intermediate](#) (FREE)
Free video series created by Wes Bos. More at an intermediate level, so not for total newbies.

- [Learn Enough Command Line to Be Dangerous](#) (FREE)
Free command line tutorial for complete beginners. Walks you through the basics of the Unix command line—no technical prerequisites required.

- [SitePoint](#) (PAID)
They have lots of writers and publish often. Topics range from HTML and CSS to entrepreneurship. Also have paid books and courses on their child site Learnable. Make sure to check out their newer "collections" – which include coding tutorials on topics like WordPress security, React.JS, and Swift. (And new ones are added daily!)

- [ProgrammingKnowledge](#) (FREE)
A channel perfect for absolute beginners who want a foundation to learn

to code. Step-by-step tutorial playlists cover various languages without assuming prior knowledge.

What free coding videos they offer: Java, Python, C, JavaFX, Android programming, Bootstrap, and more.

- [LearnCode.academy](#) (FREE)
  One of my personal favorites! This site features web-development-focused videos made by Will Stern. There are a ton of free coding tutorials on JavaScript and other languages, plus videos about the various tools developers use.

- [Bento.io](#) (FREE)
  Their mission is to inspire people to become programmers by making code accessible, affordable, and fun. Given that they offer over 200 topics, anything you've been thinking about learning, you can find here.

- [Codeburst.io](#) (FREE)
  Want to learn to code? There is no better time to start than right now. Below is an illustrated roadmap focussed on how to become a developer in 2018. **Don't let these illustrations scare you.** You by no means need to understand everything on this map to become a stellar developer. In fact, you don't even need to take them that seriously if you don't want to to. Instead, use these maps as a starting point to help guide your learning as you go.

- [Hackermoon](#) (FREE)
  "How do I become a developer?" — I've heard this question a lot, so I decided to write the **best guide I can**, **using only free resources**. If you're an experienced software developer already, feel free to save yourself the time and do something else. Otherwise, read on :).

- **LearnProgramming** **[INCLUDES 530+ COURSES]** (FREE)
  So, a submission on this sub to a huge list of MOOC courses caught my attention today as I've been trying to learn programming myself. So I look into the comments first to see what courses people were taking, when a comment caught my attention that says: "This is a great resouces but beware, OP ran some of the links through some pay site so that he profits out of traffic and hid this using bit.ly links...."

- 300 Free online Programming courses (FREE)
  Recently, I have looked into Udemy database and found these free online courses. I have created this list of 300 such free online courses that you can start today. I have categorized the online courses based on the subjects and topic.

- GA Dash (FREE)
  This is General Assembly's free online learning platform. It's entirely project-based–you build a "project" with each walkthrough–making it ideal for those who like to get hands-on while learning to code online.

  They are one of the very few free coding resources that have a course on how to build a Tumblr theme from scratch.

- Scotch.io (FREE)
  This free coding website covers lots of topics related to web development and workflow. The platform features short courses, tutorials, guides, blog posts, and videos.

- ProgrammingKnowledge (FREE)
  A channel perfect for absolute beginners who want a foundation to learn to code. Step-by-step tutorial playlists cover various languages without assuming prior knowledge.

- 5 Free Object Oriented Programming Courses (FREE)
  A curated list of free online courses to learn Object-oriented

programming using different programming languages like Java, C#, Python, PHP, and JavaScript.

- [Our Courses - Courses | Flatiron School](#) (FREE)
  Learn to code and launch a new fulfilling career path. Flatiron School's Immersive utilize our proven curricula to teach students the in-demand skills needed to become professional web developers and data scientists.

- [Quick Code: Discover Free Online Programming Courses and Tutorials](#) (FREE)
  Quick code curates new free courses everyday. It's a place for free courses on web development, mobile development, big data, machine learning, database, data science, chatbot, cryptocurrency and more. - whatever you're learning on.

  GITHUB [FREE]
- [fffaraz/awesome-courses](#)
- [https://github.com/zero-to-mastery/resources](#)
- [https://github.com/ripienaar/free-for-dev](#)
- [https://github.com/jbranchaud/resources](#)
- [https://github.com/freeCodeCamp/freeCodeCamp](#)
- [https://github.com/vinta/awesome-python](#)

- [200 + Best Free tools for Front-End Development](#) (FREE)

- [Traversy Media](#) (FREE AND PAID)

- [SkillCrush - The Online Coding school](#) (PAID)
  We believe that technology doesn't have to be so hard—and that tech is a tool that anyone can use. Our goal is to improve our students' quality of life through digital empowerment and skills to enter high-earning and flexible careers. Our community of students, alumni, and instructors will

support you as you go from total tech newbie to tech pro.

- [MongoDB University](#) (FREE)
  Full of MongoDB courses for free here.

- [App Academy Open](#) (FREE)
  With App Academy Open you'll get free access to App Academy's entire in-person full-stack curriculum, which has placed thousands of people in software development jobs. App Academy is ranked as the #1 coding bootcamp in the US and, since 2016, has placed more software developers at Google than UC Berkeley. On the Free plan you'll get over 1,500 hours of material (readings, videos, projects), an interactive coding environment and community features like chat to keep you connected with thousands of prospective developers across the globe.

- [Become a Full Stack Developer](#) (FREE)
  Hello! I created this list and am constantly updating it with new resources, information, and news. If you want to stay updated on the newest trends, tutorials, and articles in the Web Development world, please subscribe to the once-weekly newsletter!

- [Computer Science and Programming](#) (FREE)

- [Become a Full Stack Web Developer free resources](#) (FREE)
  The list below isn't meant to be exclusive!!! It's a collections of links, videos, articles and videos that helped me and over 200+ students that I helped for the past 2 years to become a web developer. It's more focused on JavaScript (React.js and Node.js) since that's my area of expertise along with CSS, HTML and other skills required to become a full-stack developer.

- [100+ resources to learn Full Stack](#) (FREE)

- [Self Directed Learning Front-end](#) (FREE)

- [Gymnasium](#) (FREE)
  Aquent Gymnasium offers free, online courses for digital, creative, and communications professionals to equip them with in-demand skills and advance their careers.

- [Datacamp](#) (FREE AND PAID)
  The skills people and businesses need to succeed are changing. No matter where you are in your career or what field you work in, you will need to understand the language of data. With DataCamp, you learn data science today.

- [Katacoda](#) (FREE)
  Free interactive learning on different subjects such as Git, Docker, Kubernetes, Machine Learning and more

- [Learn Docker](#) (FREE)
  You want to work on making your app awesome, not messing with infrastructure… but every time someone joins your team, you need to spend 2 days installing stuff, no one has the same versions, and you get a call at 10pm and have to spend the next 17 hours debugging your server because someone 'upgraded' a dependency.

- [IsitWP - WordPress](#) (FREE)

4.UX - User Experience

- [UX Beginner](#) (PAID)
  Subscribe to free weekly design training and dive into the world of UI/UX

with free resources, blog articles, and curated lists of the best UX courses, podcasts, and books.

- [UXPin](#) (FREE)
  Tons of free UX e-books and guides covering mobile and web prototyping, wireframing, mockups, usability testing, and much more.

5.Cyber Security

- [Cybrary](#) (FREE)
  Free crowd-sourced cybersecurity and IT learning videos. Covers topics like computer and forensics, cryptography, and cyber threat intelligence.

6.Roadmap Developer

- [Step By Step Path to Becoming a Great Software Developer](#)
  I get quite a few emails that basically say "how do I become a good / great software developer?"These kinds of emails generally tick me off, because I feel like when you ask this kind of question, you are looking for some magical potion you can take that will suddenly make you into a super developer.I suspect that very few people who email me asking this question really want to know how to become a great software

developer, but are instead looking for a quick fix or an easy answer.

- [Front-end roadmap](#)

  Now you may think that it's a lot to learn. However, if you follow the steps I am about to give you, you will be pleased to discover that its gonna take you faster than you think.In fact, you can build a simple web application, mobile application and even desktop application with just one baseline technology.

  So here is the roadmap. If you are new to programming, I recommend you learn Front-End development first.

- [How to Become a Software Engineer](#)

  Whether you're re-entering the workforce or stuck in a career you dislike (administration, operations, banking, etc.), transitioning into a career as a software developer is within your grasp. As long as you're willing to put in the hard work.

- [How i Became a Self-Taught Software Engineer](#)

  Up until now I've been working in non-technical role. After studying for many months, I just got my first engineering job at a major Bay Area tech company. This journey has been rewarding but incredibly difficult. For any of you hoping to do the same, here's how you can land your coveted software engineering job too.

- [Developer Roadmap](#)

  Below you find a set of charts demonstrating the paths that you can take and the technologies that you would want to adopt in order to become a frontend, backend or a devops. I made these charts for an old professor of mine who wanted something to share with his college students to give them a perspective; sharing them here to help the community.

- [Oracle certifications paths](#) [PDF]

- [Backend Developer Roadmap](#)

- [Full Stack Developer Roadmap](#)

- [Backend Developer Roadmap](#)

- [Frontend vs Backend](#)

- [Become a Software Engineer in 11 months](#)

- [How to Become a Software Engineer without CS Degree](#)

- [How to Become a Backend Developer](#)

Solution Architect

Java Backend Developer

PHP Backend Developer

Android Developer

Database Administrator

SOA Patterns

Express.js & Node.js

SOA Principies

Spring Boot
Spring Security
Spring MVC

Symfony

PHP Professional

Android Game Development

JSP & JSF

PHP Essential

RESTful Java

Android Professional

OLAP

Patterns of Java Application Architecture

Web Frontend Developer

Oracle DB Administrator

Design of Java Application Architecture

Android Essential

Angular JS

HTML5 & CSS3

PostgreSQL DB Administrator

RUP

jQuery

JavaScript Advanced

UML

JavaScript Essential

XML & JSON

XML

Twitter Bootstrap

Java Expert (JVM)

HTML & CSS

Java Developer

Spring Framework

TDD

Refactoring in Java Application

Web-services

Patterns of Design

JPA & Hibernate ORM

Java Professional

Alghorithms & Data Structures

Java Essential

MySQL

VCS Git

Java Starter

Новичок в IT

Условные обозначения

⊙ Рекомендуемые к изучению курсы

✳ Вспомогательные курсы

28

Career growth & development @ Pilz
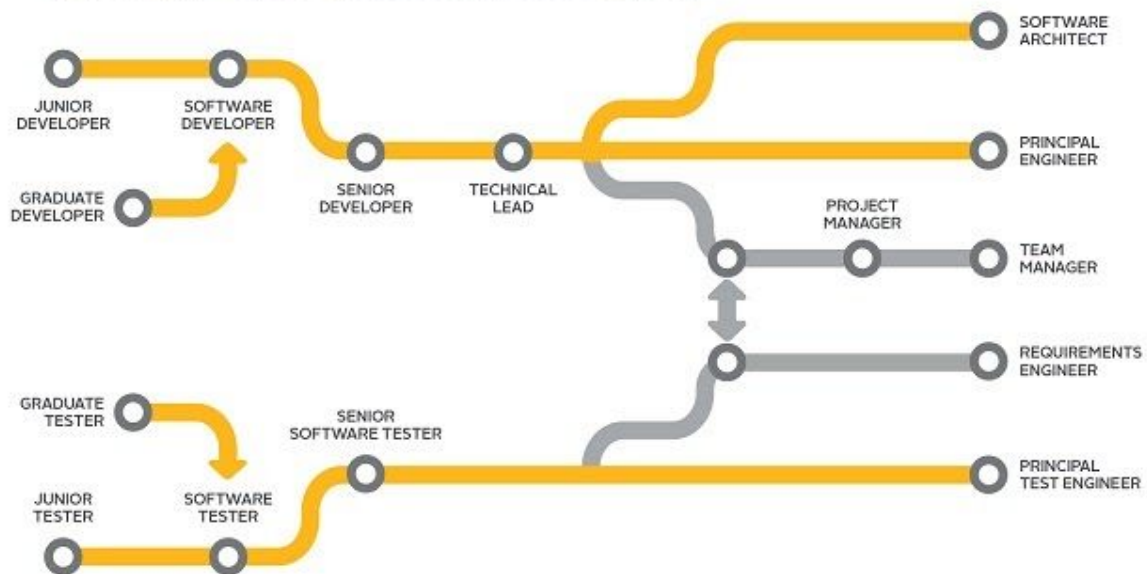
7. Roadmap Software Tester

- [4 Possible Career Paths for Testers | QA Academy](#)
  When a person starts a career in the IT sphere as a software tester, they hardly ever look into their future and understand what opportunities for career growth this profession provides. Let's consider the most popular options for professional development and career prospects for QA engineers.
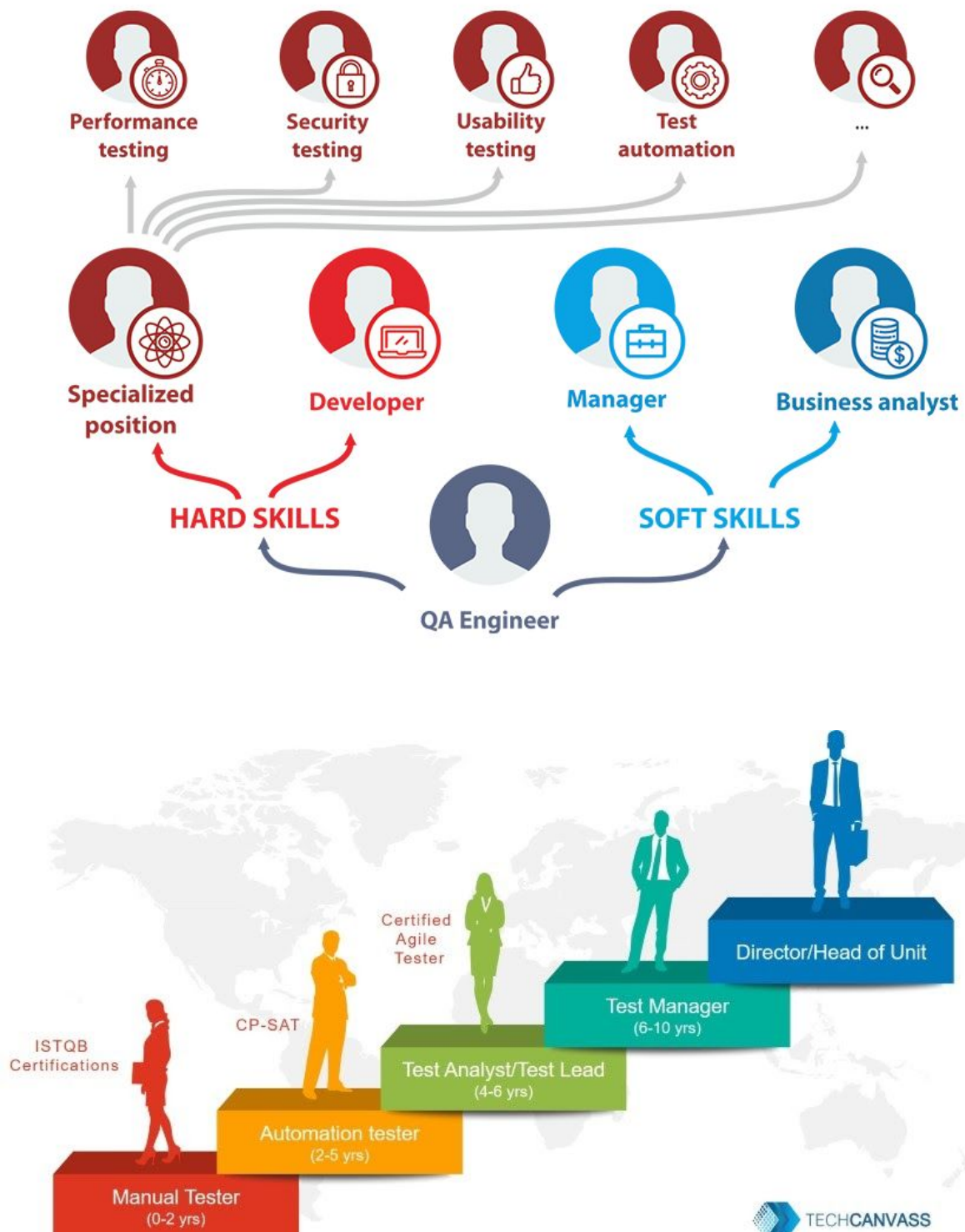
- [Career Paths For Testers - Connor's Blog](#)

- [Software Testing RoadMap](#)

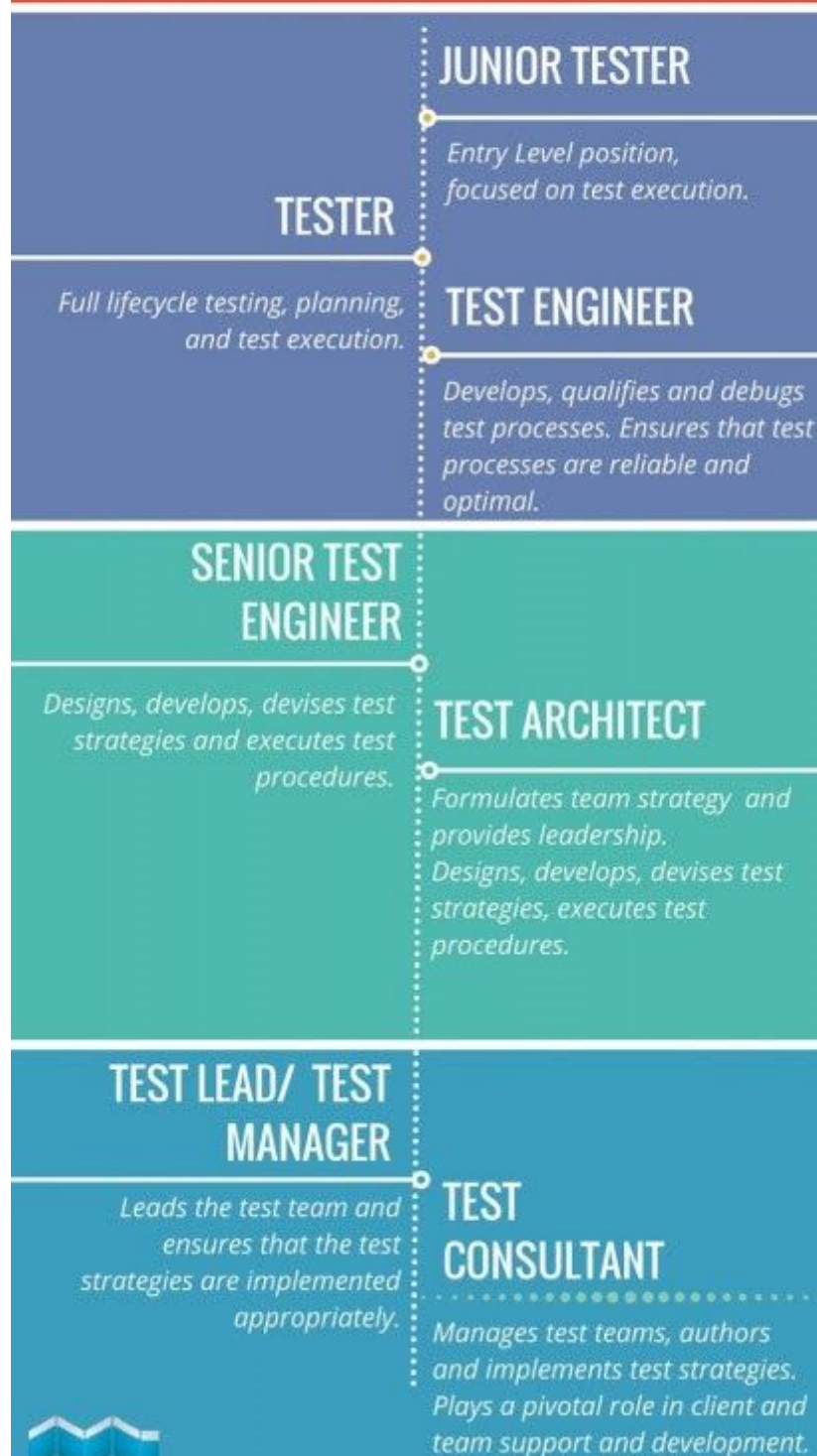- [Article about transition from manual to automation](#)
  An article about how to transition from manual test engineer to test automation
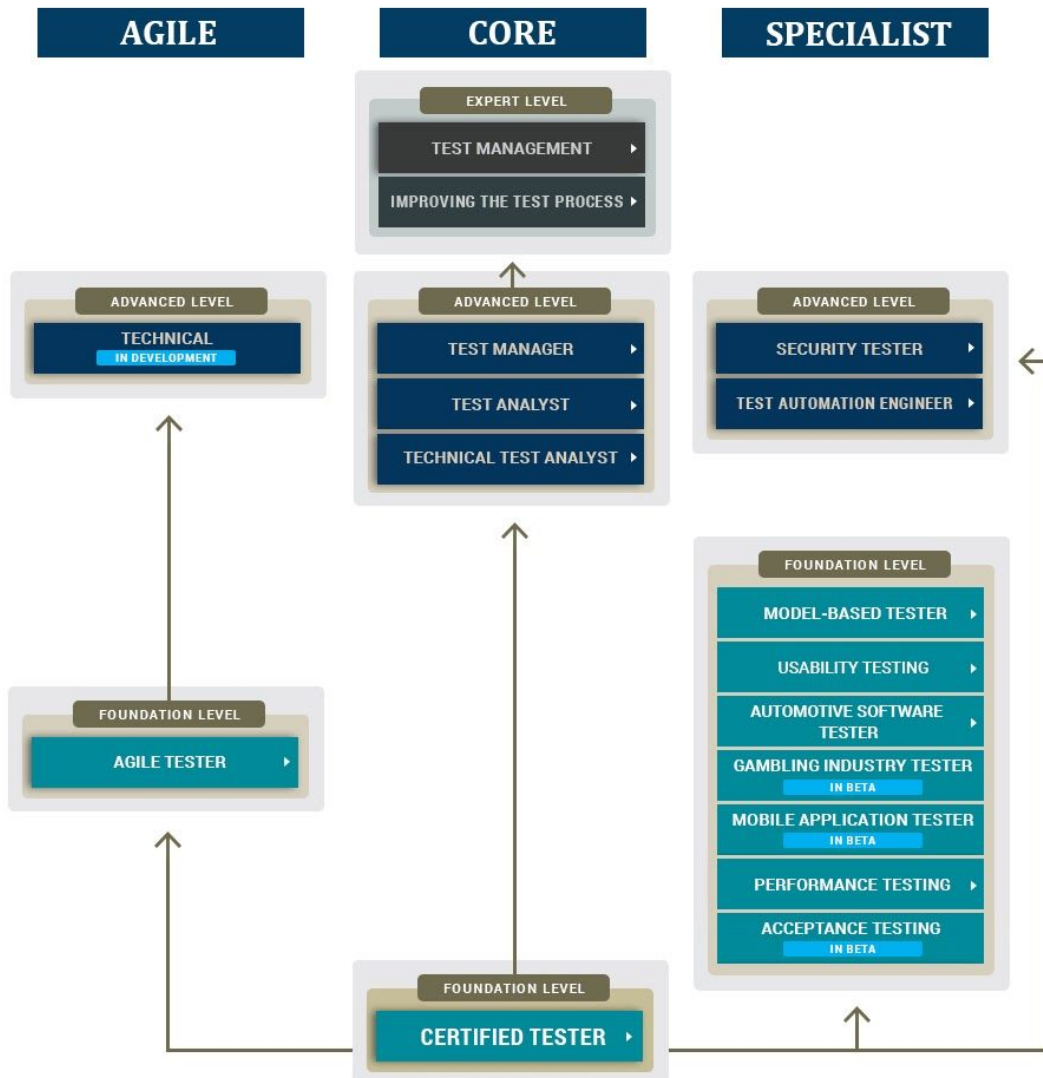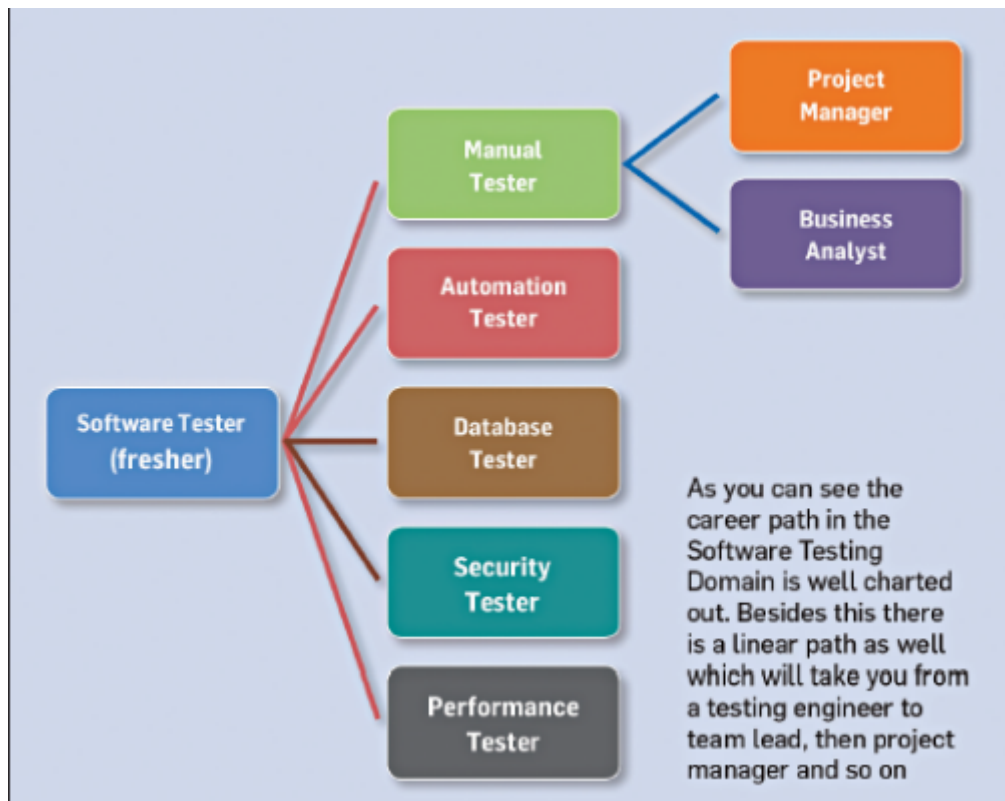
- [Software Testing career](#)

SOFTWARE TESTING

Career Path

JUNIOR TESTER

Entry Level position, focused on test execution.

TESTER

Full lifecycle testing, planning, and test execution.

TEST ENGINEER

Develops, qualifies and debugs test processes. Ensures that test processes are reliable and optimal.

SENIOR TEST ENGINEER

Designs, develops, devises test strategies and executes test procedures.

TEST ARCHITECT

Formulates team strategy and provides leadership. Designs, develops, devises test strategies, executes test procedures.

TEST LEAD/ TEST MANAGER

Leads the test team and ensures that the test strategies are implemented appropriately.

TEST CONSULTANT

Manages test teams, authors and implements test strategies. Plays a pivotal role in client and team support and development.

INFOBEST

www.infobest.ro

As you can see the career path in the Software Testing Domain is well charted out. Besides this there is a linear path as well which will take you from a testing engineer to team lead, then project manager and so on

8. YouTube

For Coding
- [10 Best Web Development Tutorials on YouTube](#)
- [Top 5 Web Developer Tutorials](#)
- [11 Top Youtube Channels that teach you how to code](#)
- [15 Best YouTube Channels to start Learning Web Development](#)
- [50 Youtube Channels about Web Development](#)

For Software Testing
- [Top 15 Software Testing Youtube Tutorials](#)

9. Most Used Technologies

- [Pluralsight Technology Index](#)
- [8 Top technology trends 2019](#)
- [Essential Software Developer Skills Technologies and Languages](#)