

# Backend Developer Roadmap 2021

Want to Become an Backend Developer in 2021? This is for you 🙌.

We hope you'll enjoy! 🎉





300+ Resources Curated By [@mdjunaidap](#)

📌 Learn basics of HTML CSS & Javascript

📌 Learn Git & Github

## 1. APIs

<a href="#">Aa</a> Name	 Link
 <a href="#">Youtube</a>	

Name	Link
<a href="#">1. What is an API?</a>	<a href="https://youtu.be/tgbRY96q-KM">https://youtu.be/tgbRY96q-KM</a>
<a href="#">2. API For Beginners</a>	<a href="https://youtu.be/GZvSYJDk-us">https://youtu.be/GZvSYJDk-us</a>
<a href="#">3.What is Restful API ?</a>	<a href="https://youtu.be/Q-BpqyOT3a8">https://youtu.be/Q-BpqyOT3a8</a>
<a href="#">4. What is RestAPI?</a>	<a href="https://youtu.be/rtWH70_MMHM">https://youtu.be/rtWH70_MMHM</a>
<a href="#">5. How to use Public API?</a>	<a href="https://youtu.be/BYsTrGH6B2s">https://youtu.be/BYsTrGH6B2s</a>
<a href="#">6. Fetch API Introduction</a>	<a href="https://www.youtube.com/watch?v=Oive66jrwBs">https://www.youtube.com/watch?v=Oive66jrwBs</a>
<a href="#">7. Make and deploy your own API</a>	<a href="https://youtu.be/FLnxgSZ0DG4">https://youtu.be/FLnxgSZ0DG4</a>

### Projects to Practise API

Name	Links
<a href="#">Youtube</a>	
<a href="#">1. Build a Coronavirus Live Data Web App in Javascript Using Covid-19 API   Javascript Project</a>	<a href="https://www.youtube.com/watch?v=bXoNcBaxfVs">https://www.youtube.com/watch?v=bXoNcBaxfVs</a>
<a href="#">2. Food Recipe App Using API   Vanilla JS Project</a>	<a href="https://www.youtube.com/watch?v=opikz5x_1ak">https://www.youtube.com/watch?v=opikz5x_1ak</a>
<a href="#">3. 250 Unique APIs for your next Project</a>	<a href="https://www.youtube.com/watch?v=Y0QBmXEyIP8">https://www.youtube.com/watch?v=Y0QBmXEyIP8</a>

## 2. NodeJS

Name	Links
<a href="#">Youtube</a>	
<a href="#">1. Node.js Tutorial for Beginners: Learn Node in 1 Hour</a>	<a href="https://www.youtube.com/watch?v=TIB_eWDSMt4">https://www.youtube.com/watch?v=TIB_eWDSMt4</a>
<a href="#">2. Node.js Crash Course Tutorial</a>	<a href="https://www.youtube.com/playlist?list=PL4cUxeGkcC9jsz4LDYc6kv3ymONOKxwBU">https://www.youtube.com/playlist?list=PL4cUxeGkcC9jsz4LDYc6kv3ymONOKxwBU</a>
<a href="#">3. Node.js Ultimate Beginner's Guide in 7 Easy Steps</a>	<a href="https://www.youtube.com/watch?v=ENrzD9HAZK4">https://www.youtube.com/watch?v=ENrzD9HAZK4</a>
<a href="#">4. Learn Node.js - Full Tutorial for Beginners</a>	<a href="https://www.youtube.com/watch?v=RLtyhwFtXQA">https://www.youtube.com/watch?v=RLtyhwFtXQA</a>
<a href="#">5. Node JS Full Course - Learn Node.js in 7 Hours   Node.js Tutorial for Beginners   Edureka</a>	<a href="https://www.youtube.com/watch?v=JnvKXcSI7yk">https://www.youtube.com/watch?v=JnvKXcSI7yk</a>

Name	Links
<a href="#"><u>6. Node.js Tutorial For Absolute Beginners</u></a>	<a href="https://www.youtube.com/watch?v=U8XF6AFGqlc">https://www.youtube.com/watch?v=U8XF6AFGqlc</a>
<a href="#"><u>7. Node.js Crash Course for Beginners Tutorial - Learn Node Basics in 30 Minutes!</u></a>	<a href="https://www.youtube.com/watch?v=2LUdnb-mls0">https://www.youtube.com/watch?v=2LUdnb-mls0</a>
<a href="#"><u>8. Advanced Node.js Crash Course   New Year Gift!</u></a>	<a href="https://www.youtube.com/watch?v=qG-PLm3APSS">https://www.youtube.com/watch?v=qG-PLm3APSS</a>
<a href="#"><u>Untitled</u></a>	



### Projects to Practice NodeJS

Name	Links
<a href="#"><u>Youtube</u></a>	
<a href="#"><u>1. Building a Node.js app (as a JavaScript noob)    LIVE CODING</u></a>	<a href="https://www.youtube.com/watch?v=wYALyKlb5oY">https://www.youtube.com/watch?v=wYALyKlb5oY</a>
<a href="#"><u>2. Create a Discord Bot With Node.js</u></a>	<a href="https://www.youtube.com/watch?v=BmKXBVdEV0g">https://www.youtube.com/watch?v=BmKXBVdEV0g</a>
<a href="#"><u>3. Build a Zoom Clone with Node JS for Beginners</u></a>	<a href="https://www.youtube.com/watch?v=ZVznzY7EjuY">https://www.youtube.com/watch?v=ZVznzY7EjuY</a>
<a href="#"><u>4. Vanilla Node.js REST API   No Framework</u></a>	<a href="https://www.youtube.com/watch?v=_1xa8Bsho6A">https://www.youtube.com/watch?v=_1xa8Bsho6A</a>
<a href="#"><u>5. The New Notion API   Node.js Video Schedule Project</u></a>	<a href="https://www.youtube.com/watch?v=9JdP-S3crt8">https://www.youtube.com/watch?v=9JdP-S3crt8</a>
<a href="#"><u>6. Node.js With Passport Authentication   Full Project</u></a>	<a href="https://www.youtube.com/watch?v=6FOq4cUdH8k">https://www.youtube.com/watch?v=6FOq4cUdH8k</a>
<a href="#"><u>7. 8 Node.js Projects To Keep An Eye On 2021</u></a>	<a href="https://www.youtube.com/watch?v=wdlWWn6PrhA">https://www.youtube.com/watch?v=wdlWWn6PrhA</a>




### 3. ExpressJs

Name	Links
<a href="#"><u>Youtube</u></a>	
<a href="#"><u>1. Express JS Crash Course</u></a>	<a href="https://www.youtube.com/watch?v=L72fhGm1tfE">https://www.youtube.com/watch?v=L72fhGm1tfE</a>
<a href="#"><u>2. LEARN EXPRESS JS IN 15 MINUTES!</u></a>	<a href="https://www.youtube.com/watch?v=JlgKybraoy4">https://www.youtube.com/watch?v=JlgKybraoy4</a>
<a href="#"><u>3. Node.js and Express.js - Full Course</u></a>	<a href="https://www.youtube.com/watch?v=Oe421EPjeBE">https://www.youtube.com/watch?v=Oe421EPjeBE</a>



## Projects to Practice ExpressJS



 Name	 Links
<a href="#"><u>1. Build News Website With Node.js, Express &amp; EJS - WP Rest API to Practice NodeJS</u></a>	<a href="https://www.youtube.com/watch?v=EkQc-8uzxIA"><u>https://www.youtube.com/watch?v=EkQc-8uzxIA</u></a>
<a href="#"><u>2. Build a REST API with Node JS and Express   CRUD API Tutorial</u></a>	<a href="https://www.youtube.com/watch?v=l8WPWK9mS5M"><u>https://www.youtube.com/watch?v=l8WPWK9mS5M</u></a>
<a href="#"><u>3. Complete Node &amp; Express with 5 Projects - Full Course [2021]</u></a>	<a href="https://www.youtube.com/watch?v=-27HAh8c0YU"><u>https://www.youtube.com/watch?v=-27HAh8c0YU</u></a>
<a href="#"><u>4. [Node JS &amp; Express] Coffee Shop Website</u></a>	<a href="https://www.youtube.com/watch?v=Dkh2ljrAkVI"><u>https://www.youtube.com/watch?v=Dkh2ljrAkVI</u></a>
<a href="#"><u>5. Realtime Chat With Users &amp; Rooms - Socket.io, Node &amp; Express</u></a>	<a href="https://www.youtube.com/watch?v=jD7Fnbl76Hg"><u>https://www.youtube.com/watch?v=jD7Fnbl76Hg</u></a>
<a href="#"><u>6. Build a Real Time Chat App With Node.js And Socket.io</u></a>	<a href="https://www.youtube.com/watch?v=rxzOqP9YwmM"><u>https://www.youtube.com/watch?v=rxzOqP9YwmM</u></a>

## 4. SQL Vs NoSQL


 Name	 Links
 Youtube	
<a href="#"><u>1. SQL vs NoSQL or MySQL vs MongoDB</u></a>	<a href="https://www.youtube.com/watch?v=ZS_kXvOeQ5Y"><u>https://www.youtube.com/watch?v=ZS_kXvOeQ5Y</u></a>
<a href="#"><u>2. MySQL vs MongoDB</u></a>	<a href="https://www.youtube.com/watch?v=Ke4G-c94VBM"><u>https://www.youtube.com/watch?v=Ke4G-c94VBM</u></a>
<a href="#"><u>3. Which Is Better? SQL vs NoSQL</u></a>	<a href="https://www.youtube.com/watch?v=t0GIGbtMTio"><u>https://www.youtube.com/watch?v=t0GIGbtMTio</u></a>

## 5. SQL



 Name	 Links
<a href="#"><u>1. MySQL Tutorial for Beginners [Full Course]</u></a>	<a href="https://www.youtube.com/watch?v=7S_tz1z_5bA"><u>https://www.youtube.com/watch?v=7S_tz1z_5bA</u></a>
<a href="#"><u>2. MySQL Tutorial For Beginners   Introduction to MySQL   Learn MySQL   MySQL Training   Edureka</u></a>	<a href="https://www.youtube.com/watch?v=WmGgxTpGs_8"><u>https://www.youtube.com/watch?v=WmGgxTpGs_8</u></a>
<a href="#"><u>3. SQL Tutorial - Full Database Course for Beginners</u></a>	<a href="https://www.youtube.com/watch?v=HXV3zeQKqGY"><u>https://www.youtube.com/watch?v=HXV3zeQKqGY</u></a>
<a href="#"><u>4. SQL Full Course   SQL Tutorial For Beginners   Learn SQL (Structured Query Language)   Edureka</u></a>	<a href="https://www.youtube.com/watch?v=BPHAr4QGGVE"><u>https://www.youtube.com/watch?v=BPHAr4QGGVE</u></a>

 Name	 Links
<a href="#"><u>5. MySQL - The Basics // Learn SQL in 23 Easy Steps</u></a>	<a href="https://www.youtube.com/watch?v=Cz3WcZLRaWc"><u>https://www.youtube.com/watch?v=Cz3WcZLRaWc</u></a>
<a href="#"><u>6. Learn SQL In 60 Minutes</u></a>	<a href="https://www.youtube.com/watch?v=p3qvj9hO_Bo"><u>https://www.youtube.com/watch?v=p3qvj9hO_Bo</u></a>
<a href="#"><u>7. SQL Full Course   SQL Tutorial For Beginners   🔥 Learn SQL In 8 Hours   SQL Training   Simplilearn</u></a>	<a href="https://www.youtube.com/watch?v=AA7i2GcTGwU"><u>https://www.youtube.com/watch?v=AA7i2GcTGwU</u></a>
<a href="#"><u>Untitled</u></a>	



## 6. PostgreSQL



 Name	 Links
<a href="#"><u>1. Learn PostgreSQL Tutorial - Full Course for Beginners</u></a>	<a href="https://www.youtube.com/watch?v=qw--VYLpxG4"><u>https://www.youtube.com/watch?v=qw--VYLpxG4</u></a>
<a href="#"><u>2. PostgreSQL Tutorial For Beginners   Learn PostgreSQL   Introduction to PostgreSQL   Edureka</u></a>	<a href="https://www.youtube.com/watch?v=-VO7YjQeG6Y"><u>https://www.youtube.com/watch?v=-VO7YjQeG6Y</u></a>
<a href="#"><u>3. PostgreSQL Tutorial For Beginners   What Is PostgreSQL?   Learn PostgreSQL   Simplilearn</u></a>	<a href="https://www.youtube.com/watch?v=eMlxuk0nOkU"><u>https://www.youtube.com/watch?v=eMlxuk0nOkU</u></a>
<a href="#"><u>4. PostgreSQL Tutorial For Beginners   What Is PostgreSQL?   Learn PostgreSQL   Simplilearn</u></a>	<a href="https://www.youtube.com/watch?v=eMlxuk0nOkU"><u>https://www.youtube.com/watch?v=eMlxuk0nOkU</u></a>

## 7. NoSQL




 Name	 Links
<a href="#"><u>1. An Introduction To NoSQL Databases</u></a>	<a href="https://www.youtube.com/watch?v=uD3p_rZPBUQ"><u>https://www.youtube.com/watch?v=uD3p_rZPBUQ</u></a>
<a href="#"><u>2. NoSQL Tutorial For Beginners   RDBMS Vs NoSQL   NoSQL Database Tutorial   Simplilearn</u></a>	<a href="https://www.youtube.com/watch?v=XFE0EgT5oQE"><u>https://www.youtube.com/watch?v=XFE0EgT5oQE</u></a>
<a href="#"><u>3. Introduction to NoSQL databases</u></a>	<a href="https://www.youtube.com/watch?v=xQnIN9bW0og"><u>https://www.youtube.com/watch?v=xQnIN9bW0og</u></a>

## 8. MongoDB




 Name	 Links
<a href="#"><u>1. MongoDB In 30 Minutes</u></a>	<a href="https://www.youtube.com/watch?v=pWbMrx5rVBE"><u>https://www.youtube.com/watch?v=pWbMrx5rVBE</u></a>

 Name	 Links
<a href="#"><u>2. MongoDB in 100 Seconds</u></a>	<a href="https://www.youtube.com/watch?v=-bt_y4Loofg">https://www.youtube.com/watch?v=-bt_y4Loofg</a>
<a href="#"><u>3. MongoDB Full Course   MongoDB Tutorial   MongoDB Tutorial For Beginners   MongoDB   Simplilearn</u></a>	<a href="https://www.youtube.com/watch?v=IBBtq3OawqW">https://www.youtube.com/watch?v=IBBtq3OawqW</a>
<a href="#"><u>4. MongoDB Crash Course</u></a>	<a href="https://www.youtube.com/watch?v=-56x56UppqQ">https://www.youtube.com/watch?v=-56x56UppqQ</a>
<a href="#"><u>5. MongoDB Architecture   MongoDB Tutorial   MongoDB Full Course For Beginners   Intellipaat</u></a>	<a href="https://www.youtube.com/watch?v=Ugn9DfGpZRG">https://www.youtube.com/watch?v=Ugn9DfGpZRG</a>
<a href="#"><u>6. Learn the MERN Stack - Full Tutorial for Beginners (MongoDB, Express, React, NodeJS) in 12Hrs (2021)</u></a>	<a href="https://www.youtube.com/watch?v=ktjafK4SgWM">https://www.youtube.com/watch?v=ktjafK4SgWM</a>




### Projects to Practice MongoDB

 Name	 Links
 <a href="#"><u>Youtube</u></a>	
<a href="#"><u>1. Build a Chat App With MongoDB &amp; Socket.io [Part 1]</u></a>	<a href="https://www.youtube.com/watch?v=8Y6mWhcdSUM">https://www.youtube.com/watch?v=8Y6mWhcdSUM</a>
<a href="#"><u>2. Full Stack MERN Project - Build and Deploy an App   React + Redux, Node, Express, MongoDB [Part 1/2]</u></a>	<a href="https://www.youtube.com/watch?v=ngc9gnGgUdA">https://www.youtube.com/watch?v=ngc9gnGgUdA</a>
<a href="#"><u>3. MERN Stack Course - ALSO: Convert Backend to Serverless with MongoDB Realm</u></a>	<a href="https://www.youtube.com/watch?v=mrHNSanmqQ4">https://www.youtube.com/watch?v=mrHNSanmqQ4</a>
<a href="#"><u>4. Build a Whatsapp Clone with MERN Stack (MongoDB, Express, React, Node JS)</u></a>	<a href="https://www.youtube.com/watch?v=gzdQDxzW2Tw">https://www.youtube.com/watch?v=gzdQDxzW2Tw</a>
<a href="#"><u>5. Build a TIK TOK Clone with MERN Stack (MongoDB, Express, React, Node JS)</u></a>	<a href="https://www.youtube.com/watch?v=g8yGxDMyGiE">https://www.youtube.com/watch?v=g8yGxDMyGiE</a>



## 9. Firebase

 Name	 Tags
 <a href="#"><u>Youtube</u></a>	
<a href="#"><u>1. Firebase - Back to the Basics</u></a>	<a href="https://www.youtube.com/watch?v=q5J5ho7YUuA">https://www.youtube.com/watch?v=q5J5ho7YUuA</a>
<a href="#"><u>2. Firebase - Ultimate Beginner's Guide</u></a>	<a href="https://www.youtube.com/watch?v=9kRgVxULbag">https://www.youtube.com/watch?v=9kRgVxULbag</a>




### Projects for Practice Firebase

 Name	 Links
 <u>Youtube</u>	
<u>1. Full Stack React &amp; Firebase Tutorial - Build a social media app</u>	<a href="https://www.youtube.com/watch?v=m_u6P5k0vP0">https://www.youtube.com/watch?v=m_u6P5k0vP0</a>
<u>2. Create an Instagram Clone with React, Tailwind CSS, Firebase - Tutorial</u>	<a href="https://www.youtube.com/watch?v=mDgEqoQUBgk">https://www.youtube.com/watch?v=mDgEqoQUBgk</a>
<u>3. Intermediate React and Firebase Tutorial - Build an Evernote Clone</u>	<a href="https://www.youtube.com/watch?v=I250xdtUvy8">https://www.youtube.com/watch?v=I250xdtUvy8</a>
<u>4. Firebase Chat App - Rebuild Facebook Messenger   React JS, Firebase, Chat Engine</u>	<a href="https://www.youtube.com/watch?v=Bv9Js3QLOLY">https://www.youtube.com/watch?v=Bv9Js3QLOLY</a>

### Paid Courses for Above Technologies



 Name	 Links
<u>1. The Complete 2021 Web Development Bootcamp</u>	<a href="https://www.udemy.com/course/the-complete-web-development-bootcamp/">https://www.udemy.com/course/the-complete-web-development-bootcamp/</a>
<u>2. The Web Developer Bootcamp 2021</u>	<a href="https://www.udemy.com/course/the-web-developer-bootcamp/">https://www.udemy.com/course/the-web-developer-bootcamp/</a>
<u>3. Node.js, Express, MongoDB &amp; More: The Complete Bootcamp 2021</u>	<a href="https://www.udemy.com/course/nodejs-express-mongodb-bootcamp/">https://www.udemy.com/course/nodejs-express-mongodb-bootcamp/</a>
<u>4. The Complete Node.js Developer Course (3rd Edition)</u>	<a href="https://www.udemy.com/course/the-complete-nodejs-developer-course-2/">https://www.udemy.com/course/the-complete-nodejs-developer-course-2/</a>
<u>5. Node.js API Masterclass With Express &amp; MongoDB</u>	<a href="https://www.udemy.com/course/nodejs-api-masterclass/">https://www.udemy.com/course/nodejs-api-masterclass/</a>
<u>6. Node with React: Fullstack Web Development</u>	<a href="https://www.udemy.com/course/node-with-react-fullstack-web-development/">https://www.udemy.com/course/node-with-react-fullstack-web-development/</a>

## 10. Docker




 Name	 Tags
 <u>YouTube.</u>	
<u>1. Docker Tutorial for Beginners [FULL COURSE in 3 Hours]</u>	<a href="https://www.youtube.com/watch?v=3c-iBn73dDE">https://www.youtube.com/watch?v=3c-iBn73dDE</a>
<u>2. Docker Tutorial for Beginners [2021]</u>	<a href="https://www.youtube.com/watch?v=pTFZFxd4hOI">https://www.youtube.com/watch?v=pTFZFxd4hOI</a>

 Name	 Tags
<a href="#">3. Docker Tutorial for Beginners - A Full DevOps Course on How to Run Applications in Containers</a>	<a href="https://www.youtube.com/watch?v=fqMOX6JJhGo">https://www.youtube.com/watch?v=fqMOX6JJhGo</a>
<a href="#">4. Learn Docker in 7 Easy Steps - Full Beginner's Tutorial</a>	<a href="https://www.youtube.com/watch?v=gAkwW2tulqE">https://www.youtube.com/watch?v=gAkwW2tulqE</a>
<a href="#">5. What is Docker   Docker Tutorial for Beginners   Docker Container   DevOps Tools   Edureka</a>	<a href="https://www.youtube.com/watch?v=lcQfQRDAMpQ">https://www.youtube.com/watch?v=lcQfQRDAMpQ</a>

## 11. CI/CD

 Name	 Tags
<a href="#">1. CI/CD Full Course   CI/CD Tutorial   Continuous Integration And Continuous Delivery   Simplilearn</a>	<a href="https://www.youtube.com/watch?v=h9K1NnqwUvE">https://www.youtube.com/watch?v=h9K1NnqwUvE</a>
<a href="#">2. DevOps CI/CD Explained in 100 Seconds</a>	<a href="https://www.youtube.com/watch?v=scEDHsr3APg">https://www.youtube.com/watch?v=scEDHsr3APg</a>
<a href="#">3. CI/CD   Continuous Integration   Delivery   Deployment</a>	<a href="https://www.youtube.com/watch?v=mqJ-lzTfZvU">https://www.youtube.com/watch?v=mqJ-lzTfZvU</a>

## 12. DevOps

 Name	 Links
 YouTube	
<a href="#">1. What is DevOps? Easy way.</a>	<a href="https://www.youtube.com/watch?v=_Gpe1Zn-1fE">https://www.youtube.com/watch?v=_Gpe1Zn-1fE</a>
<a href="#">2. DevOps Tutorial for Beginners   Learn DevOps in 7 Hours - Full Course   DevOps Training   Edureka</a>	<a href="https://www.youtube.com/watch?v=hQcFE0RD0cQ">https://www.youtube.com/watch?v=hQcFE0RD0cQ</a>
<a href="#">3. Introduction to DevOps   DevOps Tutorial for Beginners   DevOps Tools   DevOps Training   Edureka</a>	<a href="https://www.youtube.com/watch?v=a9_oMNSgX2g">https://www.youtube.com/watch?v=a9_oMNSgX2g</a>
<a href="#">4. Introduction to DevOps   DevOps Tutorial for Beginners   DevOps Tools   DevOps Training   Edureka</a>	<a href="https://www.youtube.com/watch?v=a9_oMNSgX2g">https://www.youtube.com/watch?v=a9_oMNSgX2g</a>
<a href="#">5. React Crash Course for Beginners 2021 - Learn ReactJS from Scratch in this 100% Free Tutorial!</a>	<a href="https://www.youtube.com/watch?v=Dorf8i6lCuk">https://www.youtube.com/watch?v=Dorf8i6lCuk</a>

## DevOps Projects

 Name	 Tags
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Aa Name	Tags
<a href="#">1. 20 DevOps Real-time Projects</a>	<a href="https://www.youtube.com/playlist?list=PLkWRCY_kK0GgrU0L2nnRtzef8HPVsJp0r">https://www.youtube.com/playlist?list=PLkWRCY_kK0GgrU0L2nnRtzef8HPVsJp0r</a>
<a href="#">2. Simple DevOps Projects - Part 1   DevOps Projects for Beginners   DevOps Training   Edureka</a>	<a href="https://www.youtube.com/watch?v=PwSZpcl7vUE">https://www.youtube.com/watch?v=PwSZpcl7vUE</a>
<a href="#">3. Simple DevOps Project-1   Simple DevOps project for CI/CD   CI/CD through Jenkins</a>	<a href="https://www.youtube.com/watch?v=Z9G5stlXoyg">https://www.youtube.com/watch?v=Z9G5stlXoyg</a>

**Congratulations** 🌸👏

**You're now an Awesome FullStack Developer**

**Please Share It!!** 🙏😊