

Substrate4builders – Developer-focused tutorials and tools

Titles	Focus Areas	Supported languages	Descriptions	Contributors	Initialisation
<u>Substrate: A rustic vision for Polkadot</u>	Runtimes, Pallets	CLI, Rust, ReactJS	The first public demo of the framework by Dr Gavin Wood at Web3 Summit.	<i>Web 3 Foundation</i>	October 2018
<u>Substrate builders</u>	Chains, parachains, infrastructure, tools	Various	Discover all the decentralised projects that are building with the framework.	<i>Parity Technologies</i>	2018
<u>Substrate Technical (Public)</u>	Technical support	Various	Find practical advice for troubleshooting errors and get real-time support.	<i>Parity Technologies</i>	2018
<u>W3F Grants: Programs & Recipients</u>	Grants, ecosystem projects	Various	Search for ongoing Web 3.0 development areas and apply for funding.	<i>Web 3 Foundation</i>	January 2019
<u>Substrate Seminar</u>	Runtimes, pallets, tools, ecosystem projects	Various	Learn about various implementations of the framework through presentations from building teams.	<i>Purestake, Patract Labs, Kilt, Subsocial, Limechain, etc.</i>	June 2019
<u>Substrate Tutorials and Workshops</u>	Nodes, SCs (Wasm & EVM), parachains	CLI, Rust, ReactJS, Ink!, Solidity, Javascript	Learn all the basics needed to build networks and upgrade blockchains.	<i>Parity Technologies, Moonbeam</i>	July 2019
<u>Relay Chain</u>	Web 3.0, ecosystem projects	Various	Explore the latest use-cases developed by ecosystem teams.	<i>Parity Technologies</i>	August 2019
<u>Substrate Playground</u>	Runtimes, Pallets	Rust, Javascript	Build your blockchain from the ground up through interactive step-by-step tasks.	<i>Parity Technologies</i>	2019
<u>Polkadot{.js}</u>	Tools	ReactJS, VueJS, Javascript	A collection of tools, libraries, and utilities for blockchain interactions.	<i>Parity Technologies</i>	2019
<u>Substrate utilities</u>	Tools	Javascript	A collection of Polkadot.js API-based utilities for the framework.	Shawn Tabrizi	2019
<u>Polkadot Wiki - Build</u>	General documentation	Various	Access up-to-date information on ecosystem tools and frameworks.	<i>Web 3 Foundation</i>	April 2020
<u>DotLeap</u>	Tools	VueJS, Javascript	Build re-usable UI components for blockchains dashboards and widgets.	<i>Web 3 Foundation</i>	May 2020

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<u>Srtool</u>	Runtimes	CLI, Rust, Dockerfiles	A collection of tools for building and verifying runtimes.	<i>Parity Technologies</i>	August 2020
<u>DotJobs</u>	Careers, ecosystem projects	Various	Search for ongoing positions and apply to join teams of ecosystem builders.	<i>Stateless.Money</i>	October 2020
<u>How does Web 3.0 development work?</u>	General guide	CLI, Rust, ReactJS, VueJS, Javascript	A series of entry-level articles on key concepts, operations, and libraries.	Anaelle LTD	January 2021
<u>Polkadot Essentials</u>	Nodes, parachains	Various	Monitor nodes and chain metrics through a customisable dashboard.	<i>Grafana Labs</i>	February 2021
<u>Substrate How-to guides</u>	Runtimes, pallets, DApps	CLI, Rust, ReactJS, Javascript	Explore specific areas of the framework and complete standalone tasks.	<i>Parity Technologies</i>	May 2021
<u>#Polkadot</u>	SCs, DApps, tools	CLI, Rust, ReactJS, Javascript	A series of entry-level videos on Smart Contracts and DApps libraries.	Nick Shulhin	June 2021
<u>Crunch</u>	Tools	CLI, Rust	Automate staking rewards payouts and analytics for validators and nominators.	<i>Turboflakes</i>	July 2021