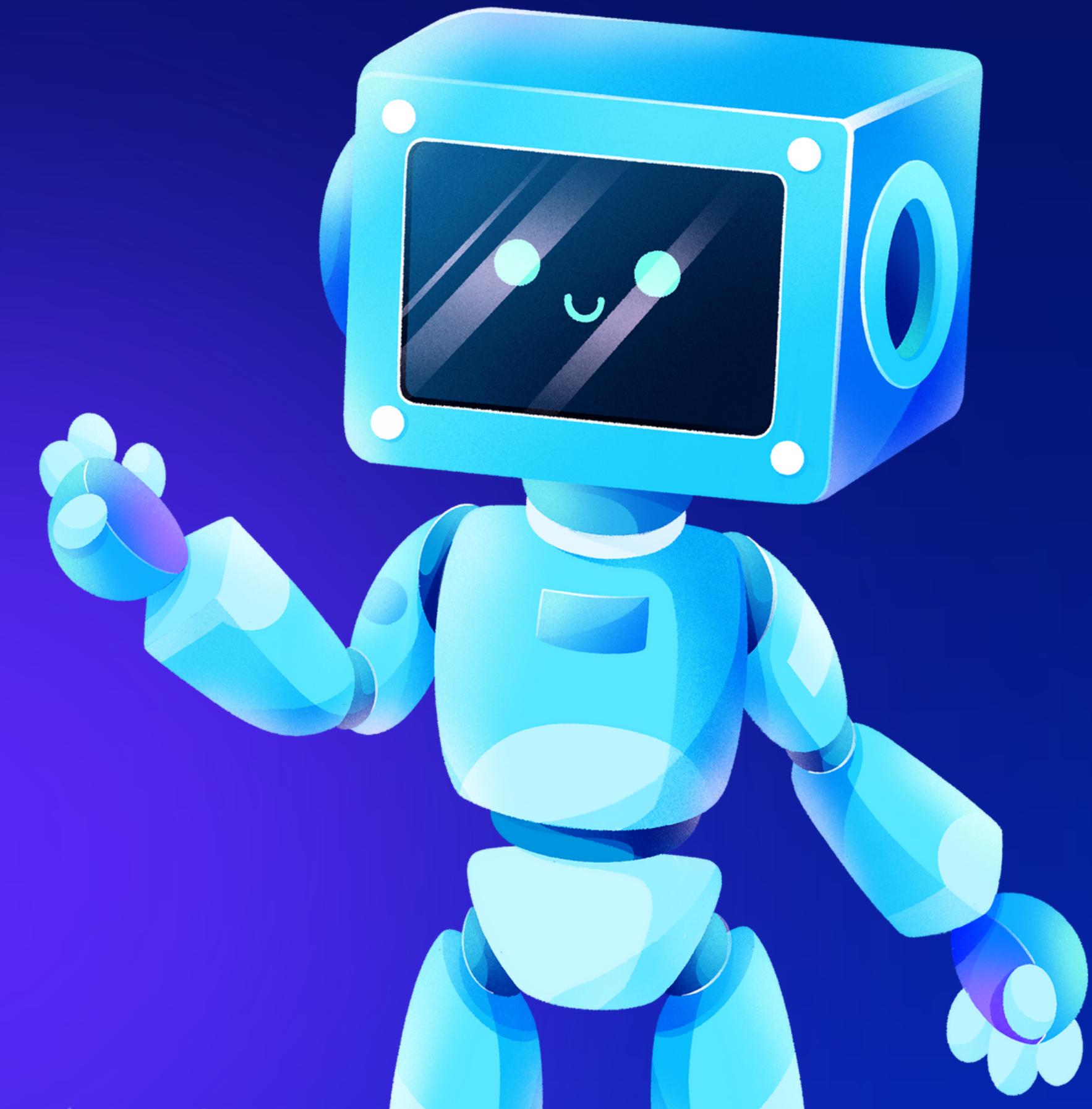




FRONTEND DEVELOPMENT USING UI/UX & REACT JS



By Rohan Chhetry





DIFFERENT PROGRAMMING ROLES

- UI/UX Designer
- Web Developer
 - Frontend
 - Backend
 - Full Stack
- Quality Assurance(QA) Tester
- Cloud Engineer
- Data Scientist

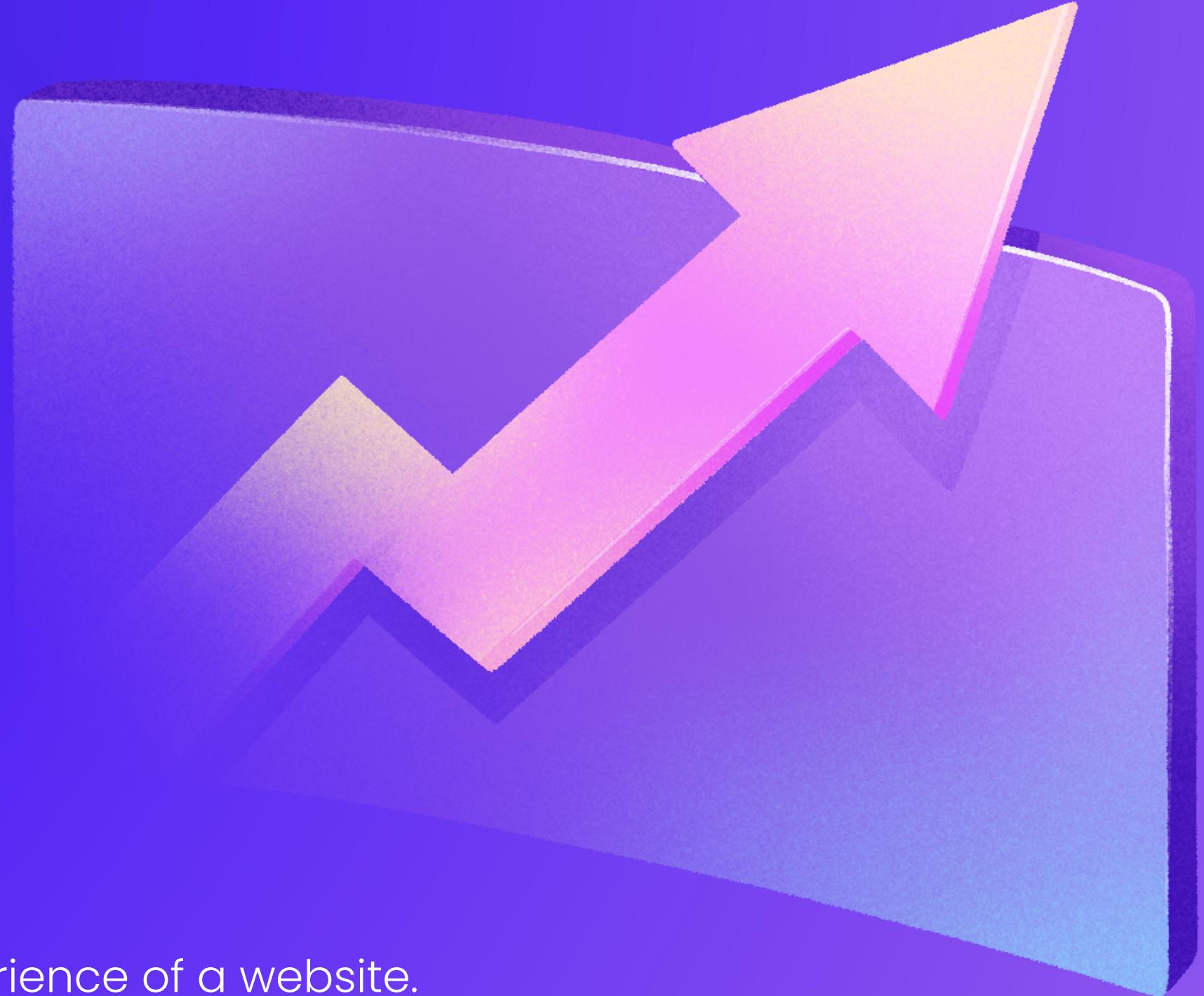


WEB DEVELOPMENT

Web development is the process of building and maintaining of websites or web applications.

Frontend Development

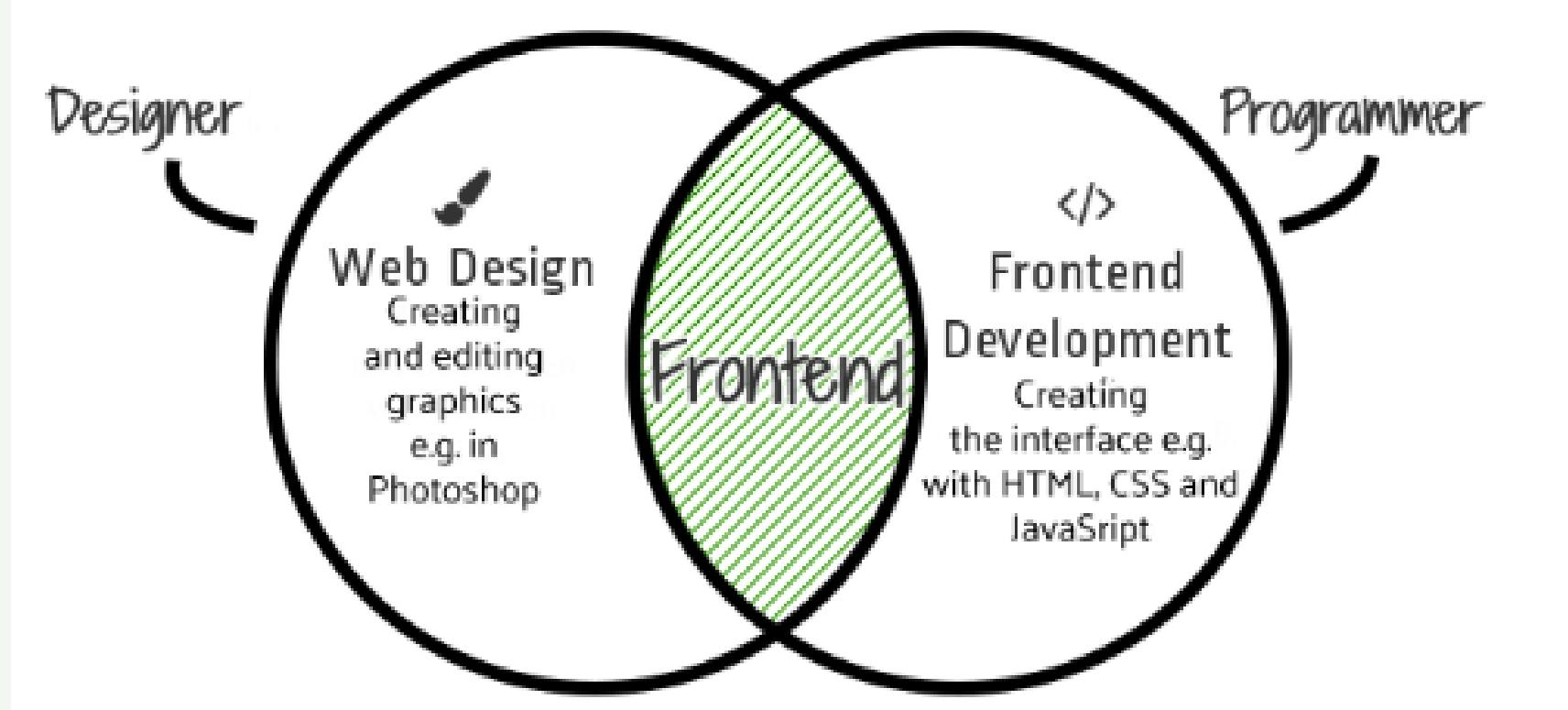
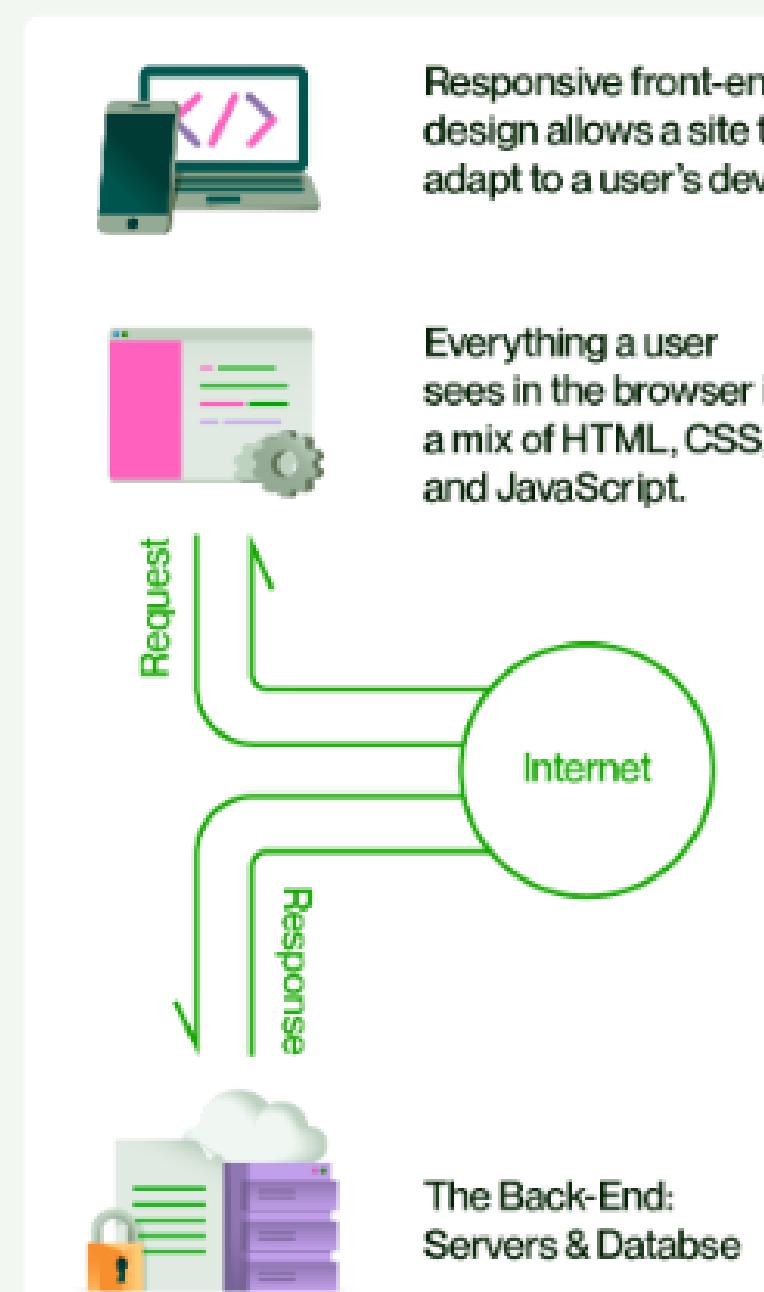
- Also known as client-side development
- Focuses on the user interface and user experience of a website.
- Uses languages such as HTML, CSS, and JavaScript to create and implement the visual elements that users interact with directly
- Includes designing layouts, styling content, and adding interactive features



INTRODUCTION

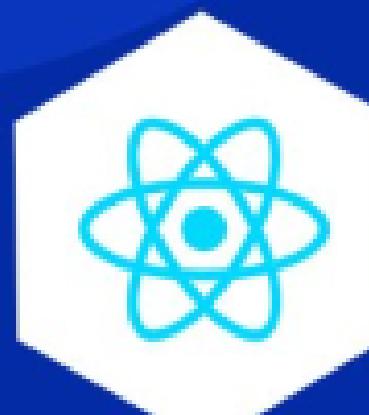
Front-End Development

- 1** A site is loaded in a browser from the server.
- 2** Client-side scripts run in the browser and process requests without call-backs to the server.
- 3** When a call to the database is required JavaScript and AJAX send requests to the back end.
- 4** The back-end server-side scripts process the request, pull what they need from the database then send it back.
- 5** Server-side scripts process the data, then update the site—populating drop-down menus, loading products to a page, updating a user profile, and more.

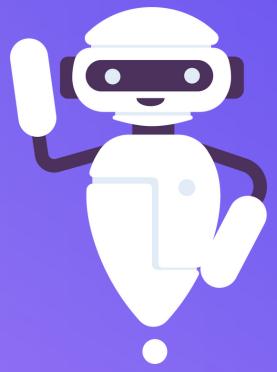


INTRODUCTION

Top Front-End Frameworks



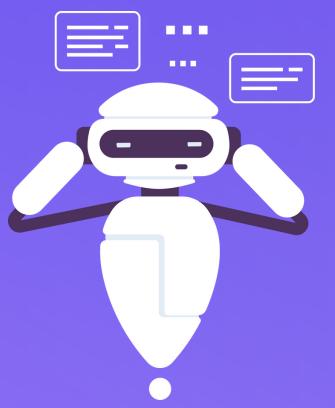
FRONTEND VS BACKEND



FRONTEND

To be precise, the frontend of a website is how you see and interact with your browser.

The front end portion of the website is built by using programming languages such as HTML, CSS, and JavaScript.



BACKEND

The back-end refers to the server-side of the application, consisting of everything on the server which provides data on request.

Some of the languages used for building back end portion are PHP, Node.js, Python.

SKILLS FOR FRONTEND

FRONT END DEVELOPMENT

6 Skills of Front-End Developer



HTML

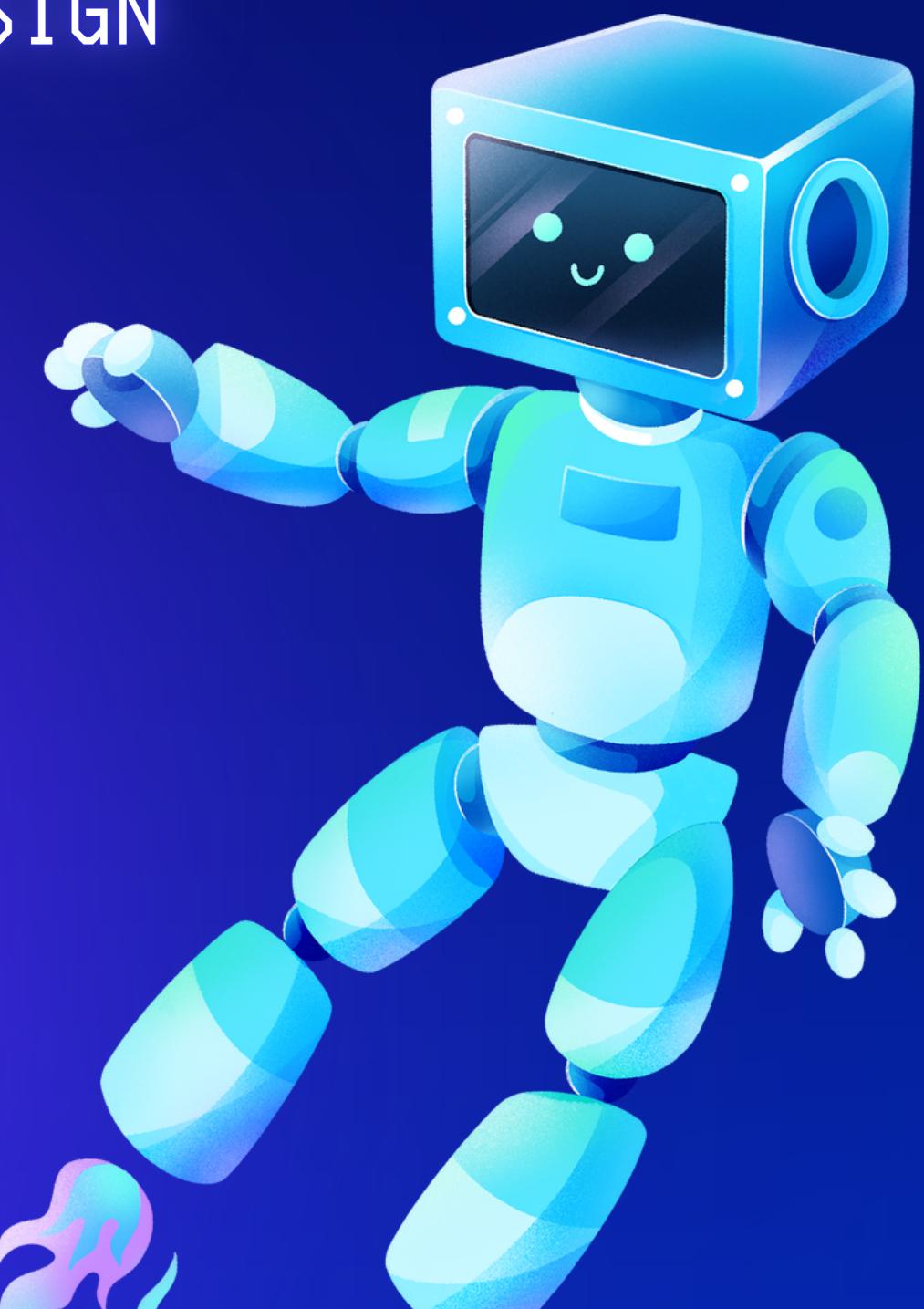
RESPONSIVE DESIGN

CSS

PERFORMANCE
OPTIMIZATION

JAVASCRIPT

TESTING



UI/UX DESIGNER





UI/UX DESIGNER

- UI for User Interface and UX for User Experience
- UI refers to the graphical layout of an application
- This includes elements such as buttons, icons, images, and other visual elements
- It focuses on the presentation and interactivity of the application
- UX encompasses the overall experience a user has with a product
- This includes how it meets their needs, the ease of use, and the overall satisfaction
- UX design involves understanding user behaviors, needs, and preferences to enhance the usability and enjoyment of the product.



THANK YOU!



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