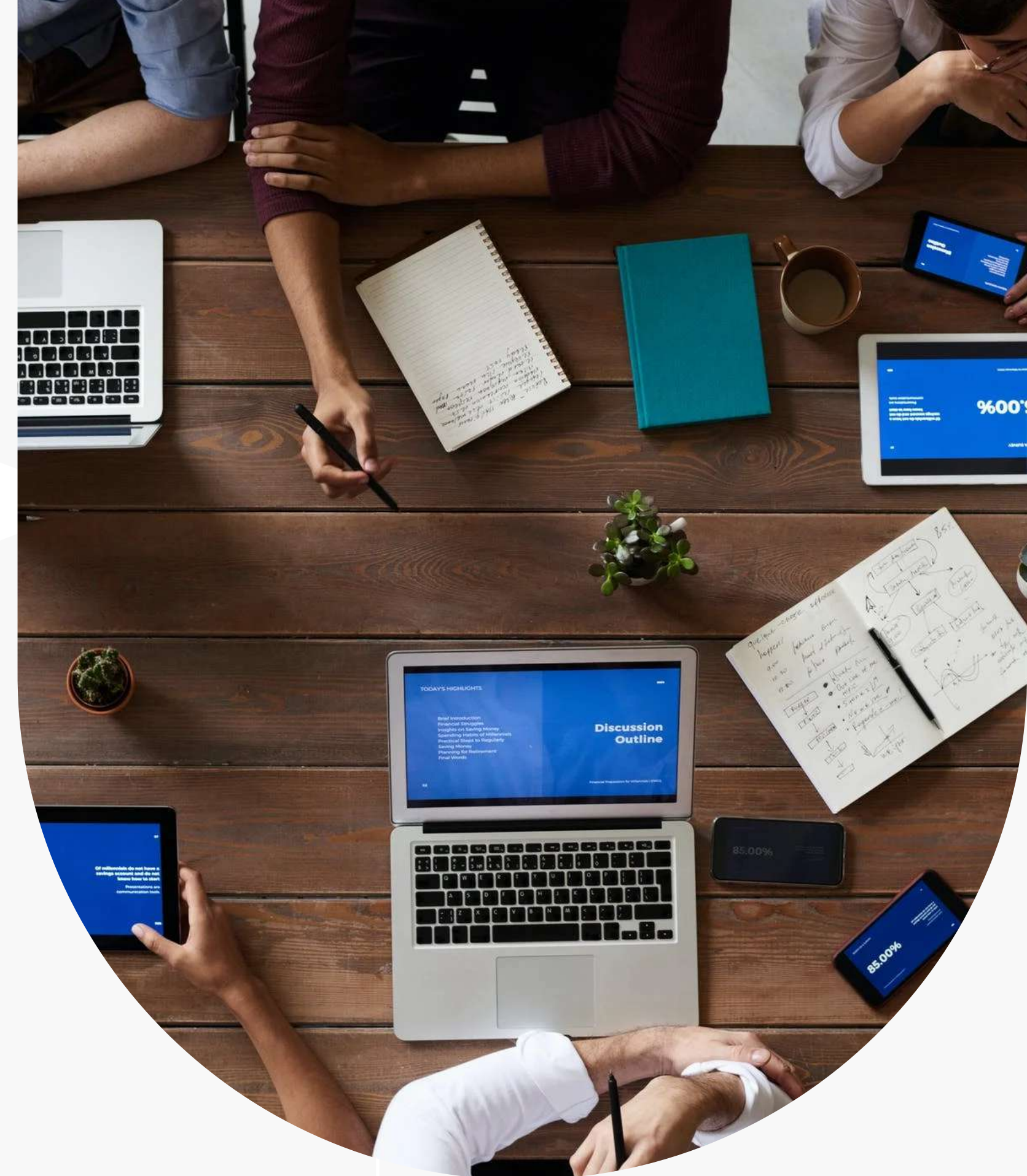# Developers Studio

Tech Trainees

About Developers Studio

Developers Studio is a Blockchain-based company that aims to deliver superior solutions to its top-tier customers under the umbrella of Blockchain, Fintech, and AI/ML technology. We also offer individuals a variety of career development paths that enable them to contribute to our company goals as well as their professional development. Our team is seeking highly motivated and talented individuals who are passionate about technology.

We onboarded a training batch last year and had a great experience with them. We had vacancies for 30 resources; out of 600 applications, we shortlisted the candidates. And now almost all of those resources are working in good organizations. For the ones who completed the entire session with DS, we offered them jobs right away.

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For now, we are offering the training in three(3) domains

> ▶ DevOps
>
> ▶ Full Stack (Frontend Development, and Backend Development)
>
> ▶ React Native

In DevOps you will be going to have hands on experience on

Topics	Details
Bash Commands	Learn Basic Bash Commands
WebServer	➤ What is webserver? ➤ How many types of webserver? ➤ Learn Configuration of webserver ➤ Modify pattren of webserver logs add following things • IP • Real IP • Date and Time • Route • Status • Response time • Bytes • User agent
Database	Database

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Topics	Details
FastCGI configuartion	FPM configuration • Tune the php-fpm according to server resources
IPtables	‣ What is IPtables? ‣ Difference between UFW/IPtables? why IPtables is better? ‣ IPtables Chains (Input, Forward, Output). ‣ Have Advance knowledge of IPtables rules.
LetEncrypt	How to add SSL cerificate for Domain using letEncrypt
Screens/Supervisor	‣ What is Screen and Supervisor? ‣ Difference between screen and supervisor? which one is better? ‣ How can we use both? ‣ Able to configure both
Docker	‣ What is docker? ‣ Why docker is better ? ‣ What is docker image and how can we use any docker image? ‣ Write Docker files for project (Laravel,VueJs,Python etc) ‣ Write Docker compose file (Sound knowledge of Service, Network, Volume, ttl, restart) ‣ Learn Advance commands for Docker file (CMD, EntryPoint, RUN) ‣ Understand to create database and its connection using docker file. ‣ Task Create full Docker file for laravel Project with Postgres When i Hit docker compose up ‣ everything is setup project is hosted on localhost database is connected , migration and seeder will run and able to connect remotely.

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Topics	Details
Server Architecture	▸ Desgin server architecture according to project. ▸ Make scable architecture for porject. (Load Balancer, application server , Database server, cache) ▸ Able to update the architecture at any point. or architecture is enough flexible to handle any changes at any moment.
CI/CD	▸ Understand what is CI/CD. ▸ Create CI/CD in Jenkenis and GitLab CI. ▸ Able to make pipline of Saas for code
Cloudflare	▸ What is Cloudflare? Benefits of cloudflare? ▸ What is name servers? ▸ Understand DNS. able to add new record according to requirment. (Sub Domains) ▸ Have knowledge of DNS records (A, AAA, CNAME, MX, TXT). ▸ How to use Cloudlfare SSL. Able to attach Cloudflare SSL certificate with server for domain. ▸ Use Cloudflare Load Balancer for mutliple servers (have idea of pools, origin server, health checks, Round robin algo and etc).
Hetzner	▸ Why we use hetzner ? what is difference between Robot and cloud? ▸ Have enough knowledge of project able to decide server specs. ▸ Able to Buy new Server through Hetzner according to project. ▸ Have idea of Rescue system. able to restore server. ▸ Have idea of SnapShot of Cloud. ▸ What is private network and able to connect servers with private network. ▸ Contact Hetzner in case of any query. ▸ Manage Multiple server on same time.

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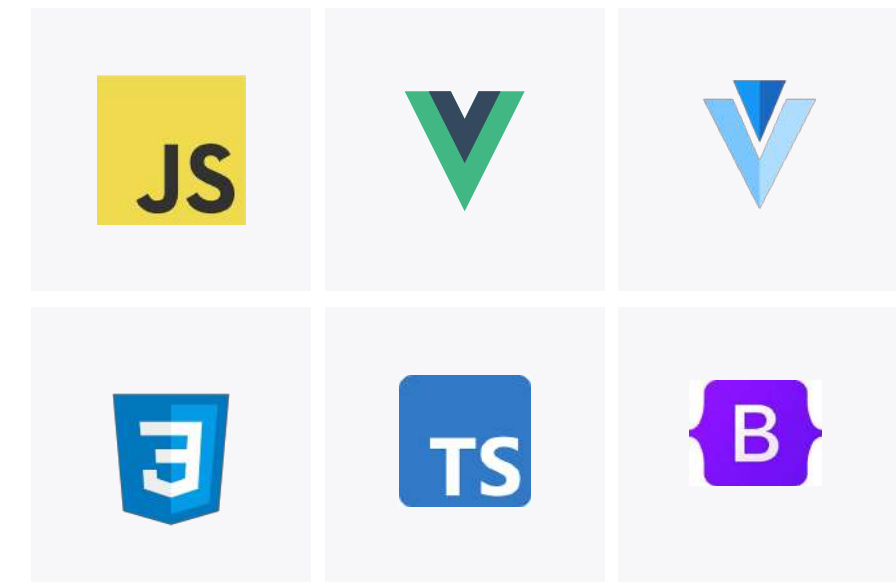| Topics	Details
Configuration Mangemnet	▶ What is ansible and benefit ansible? ▶ Write Ansible Playbook for sample project
Infrastructure	▶ What is terraform ? Purpose of terraform and how can we use them? ▶ Concept of Kubernetes.
Others	▶ What is terraform ? Purpose of terraform and how can we use them? ▶ What is or how to setup following ▶ Reverse proxy ▶ Forward proxy ▶ Port Forwarding ▶ SSH ▶ SSL ▶ TCP/ UDP

In Full Stack you will be going to have hands-on-experience on frontend and backend frameworks

In Frontend

- Frontend
- HTML
- CSS
- Bootstrap (4 & 5)
- Javascript (Vanilla & ES6)
- TypeScript (Only basics)
- Vue (2 & 3)
- Vuetify

Concepts you will learn additionally

- Good Naming and code conventions
- DOM manipulation
- State management
- Better Directory structure
- Front end Design Patterns & Architectures (Micro, Modular, Component, Undirectional)
- Code optimization
- Browser (V8) engine working

In Backend

Laravel

Getting started

- Installation
- Configuration
- Directory Structure

Architecture Concepts

Routing

Middleware

Model

Controllers

Validations

Error Handling

Logging

Services

Eloquent ORM

Queues

Rate Limiting

Task Scheduling

Authentications Methods

Query Builder

Pusher

Core PHP

- OOP
- Forms
- AJAX
- Advance Concepts

Database

Basic about relational database

Basic concepts of MySQL

Query building

Advance Concepts

Training Details

- This time training will be conducted on an individual basis so that proper attention can be given to each and every resource
- Developers Studio will only provide lunch, tea/coffee, internet, and a sitting area
- Training will be free of cost
- After the completion of training, a certificate will be awarded, and based on the performance in the entire duration DS can also offer a job with market-competitive salaries along with perks and benefits (without probation)
- Duration of the training will be 2.5 to 3 months
- Timings will be 10:00 am - 6:00 pm

Hiring Procedure

It will include 3 steps

1. Initial Interview
2. Office-based Practical Assessment (Basic concepts of CS, and Analytical thinking)
3. Final Interview

How to apply

Drop your CV on **"careers@developers.studio"**
Email's subject should be "Trainee [Domain1], [Domain2]"

Meet our amazing Trainees!

I thoroughly enjoyed my training at
Developer Studio and
now I have very valuable experience under
my belt. I learned more than ever
expected. There are several important
things that I learned through this
experience confidence, discipline,
professionalism, communication skills, etc.
The working environment was perfect,
with a lot of positivity surrounding me.
After completing this training I feel ready
and excited to pursue my career

Noman Javaid

As a fresh graduate,was struggling to find
a place where I can learn and get hands-
on experience over a modern technology
stack. DS made this happen for me. In a
short period, I experienced working
on different projects. With such a vibrant
environment, I have become more
enthusiastic to gain insights in
my field.

Ifrah Khan

I joined Developers Studio as a trainee.
I'm glad to be a part of this amazing
learning and growing environment. From
learning technical skills to soft skills
Developers Studio did everything to keep
us motivated. The mentors were very
supportive throughout the whole tenure.
As a part of the training batch in DS, I can
proudly say that this was my best
decision of joining Ds

Izna Batool

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