

This document explains how to set up the Nexus Backend on a local development machine.

## 1. System Requirements

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Make sure the following software is installed on your PC:

Software	Version
PHP	8.2 or higher
Composer	2.8.12
Node.js	24.11.1
MySQL	8+
Git	Latest

## 2. Required PHP Extensions

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Ensure the following PHP extensions are enabled:

- Mbstring
- PDO
- GD
- Curl
- Fileinfo
- OpenSSL
- Sodium
- Zip
- Mysqli

## 3. Project Setup

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1. Clone or unzip the Repository and move to project folder
2. Under the project folder Install PHP Dependencies  
`composer install`

## 4. Environment Setup

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- Copy the environment file:  
`cp .env.example .env`
- Generate the application key:  
`php artisan key:generate`

## 7. Database Configuration

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Update `.env` file:

```
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=your_database
DB_USERNAME=database_username
DB_PASSWORD=database_password
```

Run migrations:

```
php artisan migrate
```

## 8. Generate JWT secret key:

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```
php artisan jwt:secret
```

## 9. Run the Project:

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Start Laravel server:

```
php artisan serve
```

Backend will run at:

<http://127.0.0.1:8000>

## 10. Run queue worker:

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```
php artisan queue:work
```

**Note:** Change the following values with your actual Stripe credentials:

- STRIPE\_SECRET\_KEY → Your Stripe secret API key
- STRIPE\_PUBLIC\_KEY → Your Stripe publishable key
- STRIPE\_WEBHOOK\_SECRET → Your Stripe webhook signing secret

You can find these credentials in your Stripe Dashboard.