## Monolithic Architecture

- Install apache php and mysql sudo apt update sudo apt install apache2 php php-mysql mysql-server -y
- 2. Download and install wordpress wget https://wordpress.org/latest.tar.gz tar -xzvf latest.tar.gz sudo mv wordpress /var/www/html/
- 3. Configure mysql sudo mysql\_secure\_installation sudo mysql -u root -p

CREATE DATABASE wordpress;
CREATE USER 'wp\_user'@'localhost' IDENTIFIED BY 'password';
GRANT ALL PRIVILEGES ON wordpress.\* TO 'wp\_user'@'localhost';
FLUSH PRIVILEGES;
EXIT;

4. Configure wordpress sudo cp /var/www/html/wordpress/wp-config-sample.php /var/www/html/wordpress/wp-config.php sudo nano /var/www/html/wordpress/wp-config.php

Update database settings in wp-config.php.

5. Set Permissions and Restart Apache sudo chown -R www-data:www-data /var/www/html/wordpress sudo systemctl restart apache2

## Microservices Architecture

- 1. Create two EC2 instances
- 2. Configure mysql on instance 2 sudo apt update sudo apt install mysql-server -y

sudo mysal secure installation

sudo mysql\_secure\_installation sudo mysql -u root -p

CREATE DATABASE wordpress; CREATE USER 'wp\_user'@'%' IDENTIFIED BY 'password'; GRANT ALL PRIVILEGES ON wordpress.\* TO 'wp\_user'@'%'; FLUSH PRIVILEGES; EXIT:

sudo nano /etc/mysql/mysql.conf.d/mysqld.cnf bind-address to 0.0.0.0

sudo systemctl restart mysql

3. Install wordpress on instance 2 sudo apt update sudo apt install apache2 php php-mysql -y

wget https://wordpress.org/latest.tar.gz tar -xzvf latest.tar.gz sudo mv wordpress /var/www/html/

sudo cp /var/www/html/wordpress/wp-config-sample.php /var/www/html/wordpress/wp-config.php sudo nano /var/www/html/wordpress/wp-config.php

4. Setup permissions and restart apache sudo chown -R www-data:www-data/var/www/html/wordpress sudo systemctl restart apache2