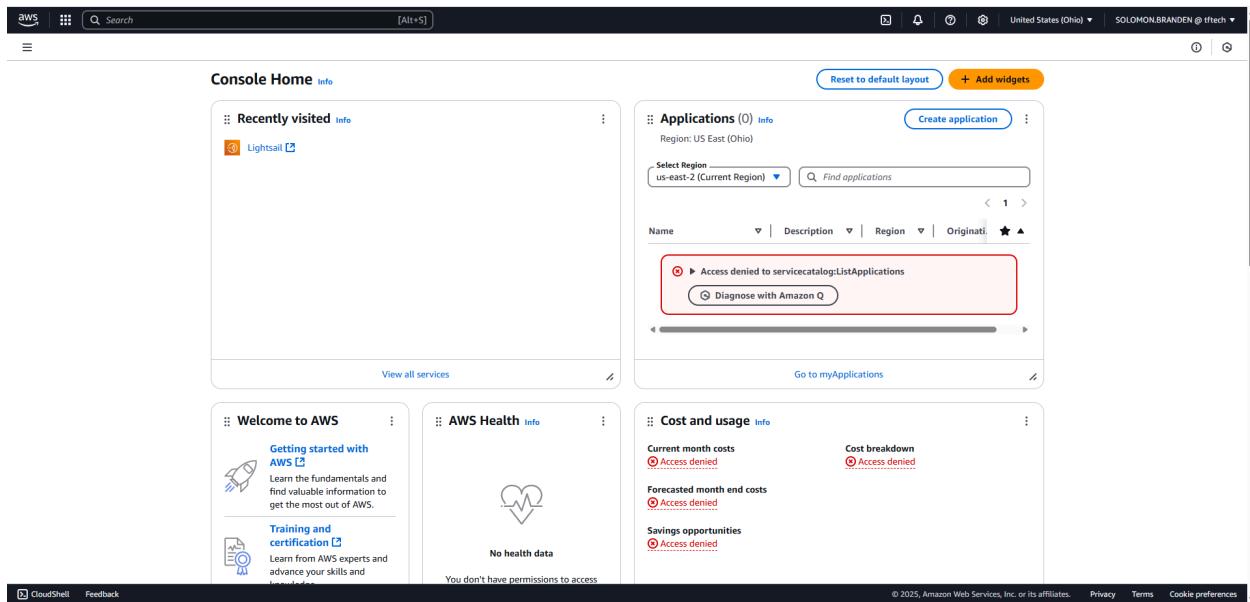


Branden Solomon  
4/16/25  
Professor Francis  
CTEC 402

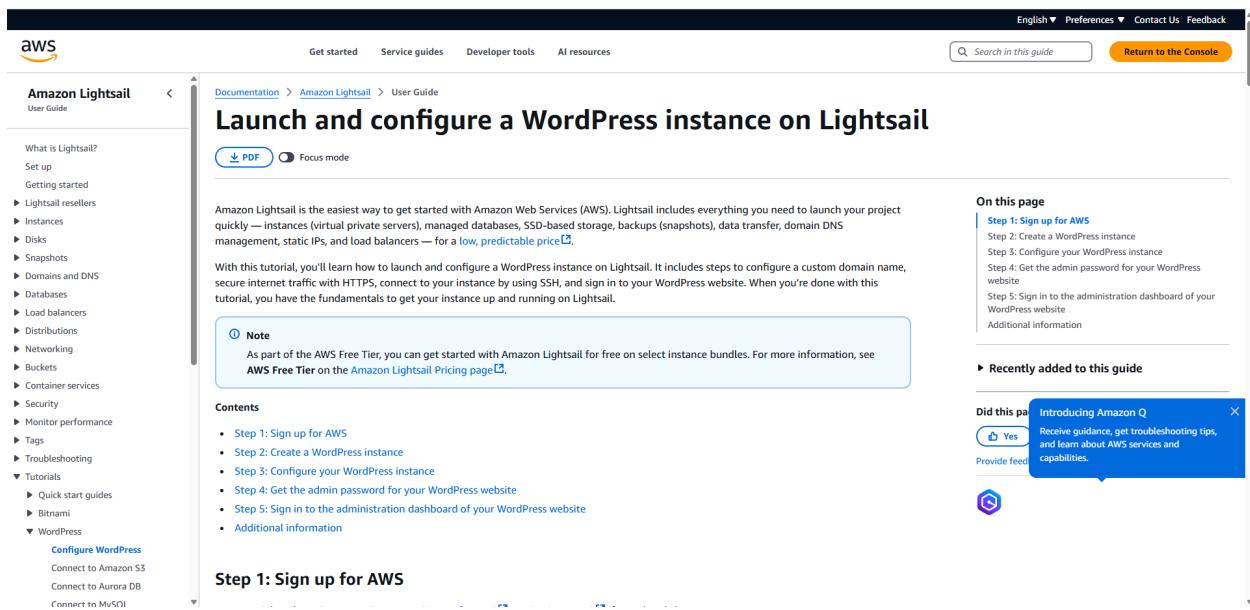
## Wordpress Project

### Step 1: AWS Console



The screenshot shows the AWS Console Home page. In the top right corner, it displays "United States (Ohio)" and "SOLOMON.BRANDEN @ fttech". Below the header, there's a "Recently visited" section with a link to "Lightsail". To the right, the "Applications" section is shown with a message: "Access denied to servicecatalog>ListApplications". A "Diagnose with Amazon Q" button is present. Other sections visible include "Welcome to AWS", "AWS Health" (which says "No health data" and "You don't have permissions to access"), and "Cost and usage" which also shows "Access denied" for various metrics.

### Step 2: Using the link to launch WordPress Instance on Lightsail



The screenshot shows the "Launch and configure a WordPress instance on Lightsail" page from the Amazon Lightsail User Guide. The page includes a "Note" section stating that as part of the AWS Free Tier, you can get started with Amazon Lightsail for free on select instance bundles. It lists five steps for the process: Step 1: Sign up for AWS, Step 2: Create a WordPress instance, Step 3: Configure your WordPress instance, Step 4: Get the admin password for your WordPress website, and Step 5: Sign in to the administration dashboard of your WordPress website. On the right side, there's a sidebar titled "On this page" with links to "Step 1: Sign up for AWS" and other steps. A blue callout box at the bottom right asks "Did this page help you?" with options "Yes" and "Provide feedback".

### Step 3: Creating a WordPress Instance

**Create an instance**

**Instance location** Info  
 You are creating this instance in **Virginia, Zone A** (us-east-1a)  
[Change AWS Region and Availability Zone](#)

**Pick your instance image** Info  
 The instance image you pick determines the operating system and whether there are any included applications in your instance.

**Select a platform**

|  |   |
|--|---|
| <input checked="" type="radio"/> Linux/Unix<br>27 blueprints | <input type="radio"/> Microsoft Windows<br>6 blueprints |
|--|---|

**Select a blueprint**

[Apps + OS](#) [Operating System \(OS\) only](#)

|  |   |  |   |
|--|---|--|---|
| <input checked="" type="radio"/> WordPress 6.7.2 | <input type="radio"/> WordPress Multisite 6.7.2 | <input type="radio"/> LAMP (PHP 8) 8.5.19                          | <input type="radio"/> Node.js 22.14.0                         |
| <input type="radio"/> Joomla 5.2.5               | <input type="radio"/> Magento 2.4.7             | <input type="radio"/> MEAN 7.0.18                                  | <input type="radio"/> Drupal 11.1.5                           |
| <input type="radio"/> GitLab CE 17.9.2-ce.0      | <input type="radio"/> Redmine 6.0.4             | <input type="radio"/> Nginx 1.26.3                                 | <input type="radio"/> Ghost 5.11.13.0                         |
| <input type="radio"/> Django 5.1.7               | <input type="radio"/> PrestaShop 8.2.1          | <input type="radio"/> Plesk Hosting Stack on Ubuntu (BYOL) 18.0.68 | <input type="radio"/> cPanel & WHM for AlmaLinux RELEASE Tier |

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## Step 4: Choose the AWS Region and Availability Zone for your instance

**Create an instance**

**Select your instance location** Info  
**Select a Region**  
 The closer your instance is to your users, the less latency they will experience. [Learn more about Regions](#)  
 Virginia us-east-1  Ohio us-east-2  Montreal ca-central-1  Oregon us-west-2  
 Ireland eu-west-1  London eu-west-2  Paris eu-west-3  Frankfurt eu-central-1  
 Stockholm eu-north-1  Tokyo ap-northeast-1  Sydney ap-southeast-2  Mumbai ap-south-1  
 Seoul ap-northeast-2  Singapore ap-southeast-1

**Availability Zone - optional** Info  
 You are creating this instance in **Zone A** (us-east-1a)  
[Change your Availability Zone](#)

**Pick your instance image** Info  
 The instance image you pick determines the operating system and whether there are any included applications in your instance.

**Select a platform**

|  |   |
|--|---|
| <input checked="" type="radio"/> Linux/Unix<br>27 blueprints | <input type="radio"/> Microsoft Windows<br>6 blueprints |
|--|---|

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## Step 5: Choose the image for your instance as follows:

- For Select a platform, choose Linux/Unix.
- For Select a blueprint, choose WordPress.

Amazon Lightsail

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Home | Lightsail for Research | SOLOMON.BRANDEN (523224772484) ▾

Pick your instance image [Info](#)  
The instance image you pick determines the operating system and whether there are any included applications in your instance.

Select a platform

Linux/Unix 27 blueprints

Microsoft Windows 6 blueprints

Select a blueprint

[Apps + OS](#) [Operating System \(OS\) only](#)

|  |   |  |   |
|--|---|--|---|
| <input checked="" type="radio"/> WordPress 6.7.2 | <input type="radio"/> WordPress Multisite 6.7.2 | <input type="radio"/> LAMP (PHP 8) 8.3.19                          | <input type="radio"/> Node.js 22.14.0                         |
| <input type="radio"/> Joomla 5.2.5               | <input type="radio"/> Magento 2.4.7             | <input type="radio"/> MEAN 7.0.18                                  | <input type="radio"/> Drupal 11.1.5                           |
| <input type="radio"/> GitLab CE 17.9.2-ce.0      | <input type="radio"/> Redmine 6.0.4             | <input type="radio"/> Nginx 1.26.3                                 | <input type="radio"/> Ghost 5.11.0                            |
| <input type="radio"/> Django 5.1.7               | <input type="radio"/> PrestaShop 8.2.1          | <input type="radio"/> Plesk Hosting Stack on Ubuntu (BYOL) 18.0.68 | <input type="radio"/> cPanel & WHM for AlmaLinux RELEASE Tier |

WordPress Certified by Bitnami and Automatic 6.7.2  
Bitnami, the leaders in application packaging, and Automatic, the experts behind WordPress, have teamed up to offer this official WordPress image. This image is a pre-configured, ready-to-run image for running WordPress on Amazon Lightsail. WordPress is the world's most popular content management platform. Whether it's for an enterprise or small business website, or a personal or corporate blog, content authors can easily create content using its new Gutenberg editor, and developers can extend the base platform with additional features. Popular plugins like Jetpack, Akismet, All in one SEO Pack, WP Mail, Google Analytics for WordPress, and Amazon Polly are all pre-installed in this image. Let's Encrypt SSL certificates are supported through an auto-configuration script.

Learn more about WordPress on the [AWS Marketplace](#) ▾

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Step 6: Choose an instance plan. A plan includes a machine configuration (RAM, SSD, vCPU) at a low, predictable cost, plus a data transfer allowance.

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Choose your instance plan [Info](#)  
Instance plans include the instance's network type and a size which determines what bundled compute resources the instance will have.

Select a network type [Info](#)  
The selected blueprint isn't compatible with an IPv6-only instance plan. [Learn more about instance blueprint offerings](#) ▾

Dual-stack **Recommended**  
For workloads that require full network compatibility. Includes a public IPv4 and a public IPv6 address.

IPv6-only  
For workloads that do not require a public IPv4 address. Includes a public IPv6 address.

Select a size

Sort by [Price per month](#)

|  |   |   |   |
|--|---|---|---|
| <input type="radio"/> \$5 USD per month<br>512 MB Memory<br>2 vCPUs Processing<br>20 GB SSD Storage<br>1 TB Transfer<br><a href="#">First 90 days free</a> | <input checked="" type="radio"/> \$7 USD per month<br>1 GB Memory<br>2 vCPUs Processing<br>40 GB SSD Storage<br>2 TB Transfer<br><a href="#">First 90 days free</a> | <input type="radio"/> \$12 USD per month<br>2 GB Memory<br>2 vCPUs Processing<br>60 GB SSD Storage<br>3 TB Transfer<br><a href="#">First 90 days free</a> | <input type="radio"/> \$24 USD per month<br>4 GB Memory<br>2 vCPUs Processing<br>80 GB SSD Storage<br>4 TB Transfer<br><a href="#">First 90 days free</a> |
| <input type="radio"/> \$44 USD per month<br>8 GB Memory<br>2 vCPUs Processing<br>160 GB SSD Storage<br>5 TB Transfer                                       | <input type="radio"/> \$84 USD per month<br>16 GB Memory<br>4 vCPUs Processing<br>320 GB SSD Storage<br>6 TB Transfer   | <input type="radio"/> \$164 USD per month<br>32 GB Memory<br>8 vCPUs Processing<br>640 GB SSD Storage<br>7 TB Transfer                                    | <input type="radio"/> \$384 USD per month<br>64 GB Memory<br>16 vCPUs Processing<br>1,280 GB SSD Storage<br>8 TB Transfer<br><a href="#">Largest plan</a> |

For a limited time, new Lightsail customers can try the selected plan for free for 90 days. [Learn more about the free trial in Lightsail](#) ▾

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Step 7: Enter a name for your instance. Resource names:

- Must be unique within each AWS Region in your Lightsail account.
- Must contain 2 to 255 characters.
- Must start and end with an alphanumeric character or number.
- Can include alphanumeric characters, numbers, periods, dashes, and underscores.

The screenshot shows the Amazon Lightsail instance creation interface. At the top, there are four plan options listed under 'USD per month':

- 8 GB Memory**: 2 vCPUs Processing, 160 GB SSD Storage, 5 TB Transfer.
- 16 GB Memory**: 4 vCPUs Processing, 320 GB SSD Storage, 6 TB Transfer.
- 32 GB Memory**: 8 vCPUs Processing, 640 GB SSD Storage, 7 TB Transfer.
- 64 GB Memory**: 16 vCPUs Processing, 1,280 GB SSD Storage, 8 TB Transfer. This plan is highlighted with a green background.

Below the plans, a note says: "For a limited time, new Lightsail customers can try the selected plan for free for 90 days. [Learn more about the free trial in Lightsail.](#)"

The main form area starts with "Identify your instance". It has an "Instance name" field containing "BrandenSolomon-1" and a "Create instance" button.

Below the instance name, there's a "Tagging options - optional" section with a note: "You can specify tags to assign to this resource after it's created. Key-value tags are used to filter and organize your resources, organize your billing, and control access to your resources in the Lightsail console." It includes an "Add new tag" button and a note: "You can add up to 50 tags."

At the bottom, there's a note: "Your use of AWS services is subject to the AWS Customer Agreement." and the "Create instance" button.

## Step 8: Choose Create instance.

This screenshot is identical to the one above, showing the same four instance plans, the note about the free trial, the "Identify your instance" form with the instance name "BrandenSolomon-1", the tagging options section, and the "Create instance" button.

## Step 9: Get the admin password for your WordPress website

Amazon Lightsail

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**Instances**

- Containers
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**BrandenSolomon-1** Info

1 GB RAM, 2 vCPUs, 40 GB SSD

**WordPress**

**AWS Region** Virginia, Zone A (us-east-1a)

**Networking type** Dual-stack

**Public IPv4 address** 54.165.242.71

**Private IPv4 address** 172.26.6.180

**Public IPv6 address** 2600:1f18:6822:fa00:5bde:267a:763afdf6

**Default WordPress admin user name** user

**Default WordPress admin password** Retrieve default password

**Instance status** Running

**Access WordPress Admin**

Connect Metrics Snapshots Storage Networking Domains Tags History

Welcome to your WordPress instance

Configure your instance to host a secure WordPress website with a custom domain name. Learn more

Set up your WordPress website

Ideal for: Hosting a secure WordPress website with a registered domain

Works best with: A newly launched Lightsail instance

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https://lightsailamazon.com/is/webapp/us-east-1/instances/BrandenSolomon-1/connect#wp-retrieve-password

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**Instances**

- Containers
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- Storage
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- Snapshots

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Documentation

**WordPress credentials**

**Access default user name**

**Access default password**

The default password for your WordPress website's administration dashboard.

In the following steps, you'll use AWS CloudShell to retrieve your password. CloudShell is a browser-based shell that you can launch directly from the Lightsail console. Learn more

**Step 1** Launch CloudShell to connect to your instance.

**Step 2** Copy and paste this command into the CloudShell window:

```
cat <<'EOF' >/lightsail_connect
set -eu -o pipefail
```

Copied

CloudShell Support Feedback

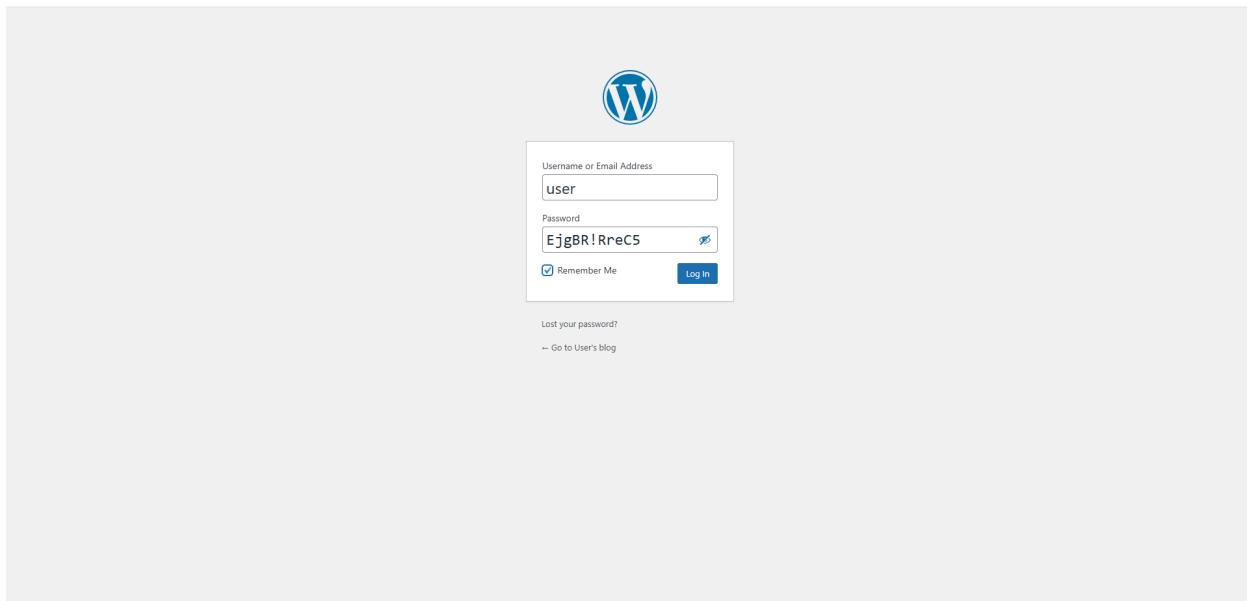
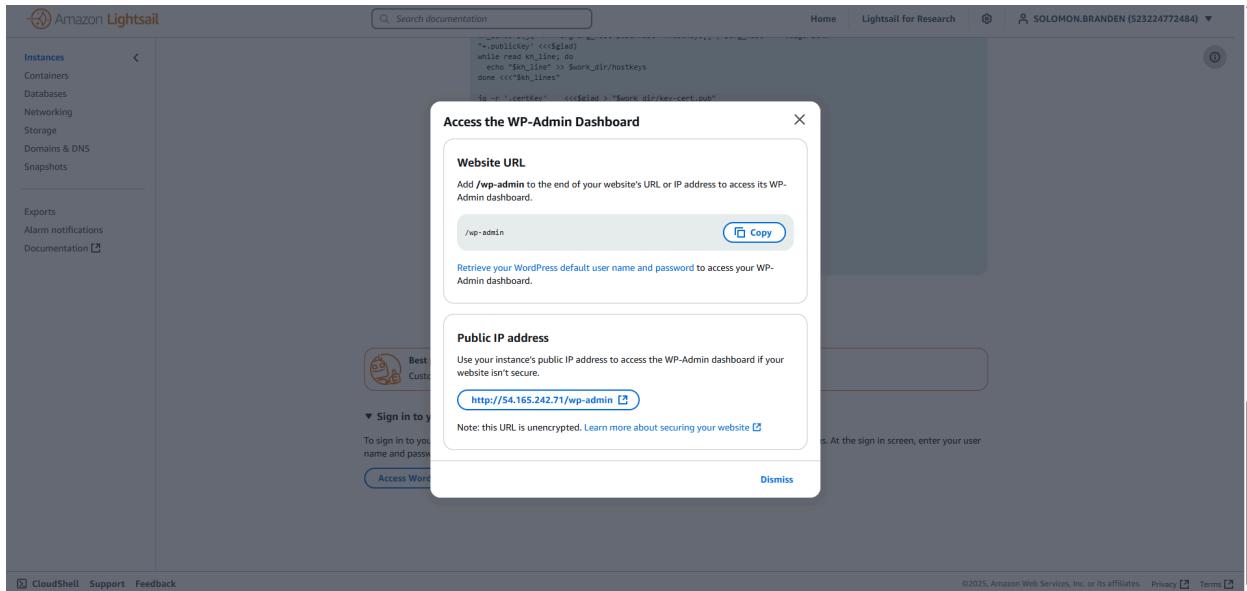
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The screenshot shows a CloudShell session in the 'us-east-1' region. The terminal window displays a shell script being run. The script uses jq to parse JSON input, specifically instance access details. It then generates host keys for a user host, copies them to a work directory, and chmods them. Finally, it connects to the user host using the generated key.

```
$ cat <<EOF >/lightsail_connect
> set -eu -o pipefail
> instances=$1
> instances=$(lightsail get-instance-access-details --protocol ssh --instance-name $instance | jq '.accessDetails')
> userhost=$(jq -r ".ipAddress" <<$instances)
> username=$(jq -r ".username" <<$instances)
> work_dir=$(mktemp -d)
> trap (" rm -rf $work_dir; " EXIT
>
> sshLines=$(jq -r --arg host $userhost '.hostKeys[] | $arg_host' --arg hostkey ".algorithm" --arg pubkey "<<$instances"
> while read ssh_line; do
>     eval "sshkey=\$${ssh_line##* }"
>     eval "sshkey=\$${sshkey% * }"
>     done <<$ssh_lines
>
> jq -r ".certKey" <<$instances > "$work_dir/key-cert.pub"
> jq -r ".privateKey" <<$instances > "$work_dir/key"
> chmod 600 "$work_dir/key"
>
> shift
> ssh
> Ssh
> -o StrictHostKeyChecking=yes \
> -o UserKnownHostFile=$work_dir/hostkeys \
> -i $work_dir/key \
> -S $username@$userhost \
> EOF
>
> $ lightsail_connect
> AWS_REGION=us-east-1 lightsail_connect BrandenSolomon-1 cat bitnami_application_password
:fgBRIReCS
-$
```

**Step 10:** Sign in to the administration dashboard of your WordPress website



Howdy, user

Dashboard

# Welcome to WordPress!

Learn more about the 6.7.2 version.

**Author rich content with blocks and patterns**

Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.

[Add a new page](#)

**Customize your entire site with block themes**

Design everything on your site — from the header down to the footer, all using blocks and patterns.

[Open site editor](#)

**Switch up your site's look & feel with Styles**

Tweak your site, or give it a whole new look! Get creative — how about a new color palette or font?

[Edit styles](#)

**Site Health Status**

No information yet...

Site health checks will automatically run periodically to gather information about your site. You can also [visit the Site Health screen](#) to gather information about your site now.

**At a Glance**

1 Post 1 Page 1 Comment

WordPress 6.7.2 running [Twenty Twenty-Five](#) theme.

Quick Draft

Title

Content

What's on your mind?

Save Draft

Drag boxes here

Drag boxes here

WordPress Events and News

This screenshot shows the WordPress dashboard interface. At the top, there's a banner with the text "Welcome to WordPress!" and a link to learn about the 6.7.2 version. Below the banner, there are three main sections: "Author rich content with blocks and patterns", "Customize your entire site with block themes", and "Switch up your site's look & feel with Styles". On the left side, there's a sidebar with links for Home, Updates, Posts, Media, Pages, Comments, Appearance, Plugins, Users, Tools, and Settings. The main content area includes a "Site Health Status" section with a note about no information yet, an "At a Glance" summary with 1 post, 1 page, and 1 comment, and a "Quick Draft" editor where users can enter a title and content. There are also two large dashed boxes labeled "Drag boxes here" for customizing the dashboard layout. At the bottom, there's a "WordPress Events and News" section.