

**66070305 ภูริภัทร อรุณไพศาล**

**Github:** [NonsanXX/iot-68](https://github.com/NonsanXX/iot-68)

**URL:**

- [student-api-wk1-assgn.onrender.com/api/health](https://student-api-wk1-assgn.onrender.com/api/health)
- [student-api-wk1-assgn.onrender.com/api/v1/students](https://student-api-wk1-assgn.onrender.com/api/v1/students)

**API\_SECRET=iam\_the\_secret\_key0**

**Cloud Platform ที่เลือก :** **Render**



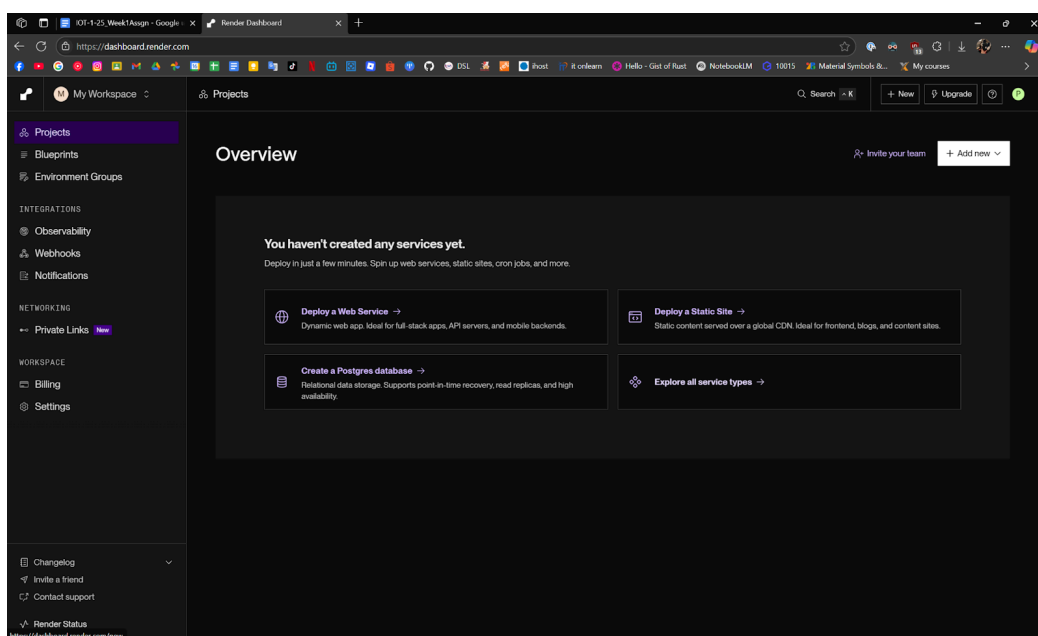
## วิธีนำโค้ดขึ้น Cloud Platform : Render

1. ทำการแก้ไข [index.ts](#) ให้ใช้ serve แทนที่จะใช้ของ Vercel

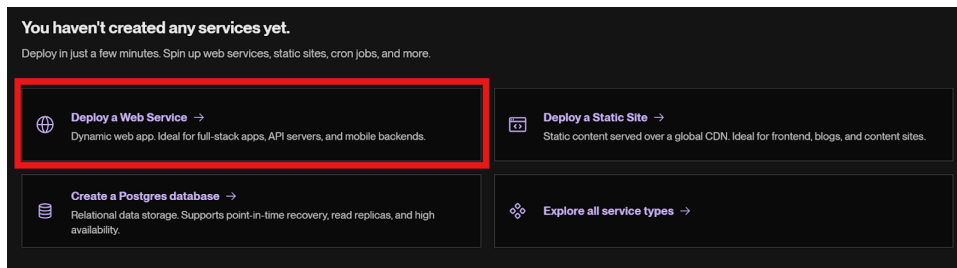
```
wk1_assgn - index.ts

1  import { Hono } from "hono";
2  import { cors } from "hono/cors";
3  import { serve } from "@hono/node-server";
4  import apiRouter from "./routes/api.js";
5
6  const app = new Hono().basePath("/api");
7
8  app.use(
9    "*",
10   cors({
11     origin: process.env.CORS_ORIGIN || "http://localhost:5173",
12     allowHeaders: ["Content-Type", "Authorization"],
13     allowMethods: ["GET", "POST", "PUT", "PATCH", "DELETE", "OPTIONS"],
14   })
15 );
16
17 app.route("/v1", apiRouter);
18
19 // Health check endpoint
20 app.get("/health", (c) => {
21   return c.json({ status: "healthy", timestamp: new Date().toISOString() });
22 });
23
24 const port = parseInt(process.env.PORT || "3000");
25
26 console.log(`Server is running on port ${port}`);
27
28 serve({
29   fetch: app.fetch,
30   port,
31 });
```

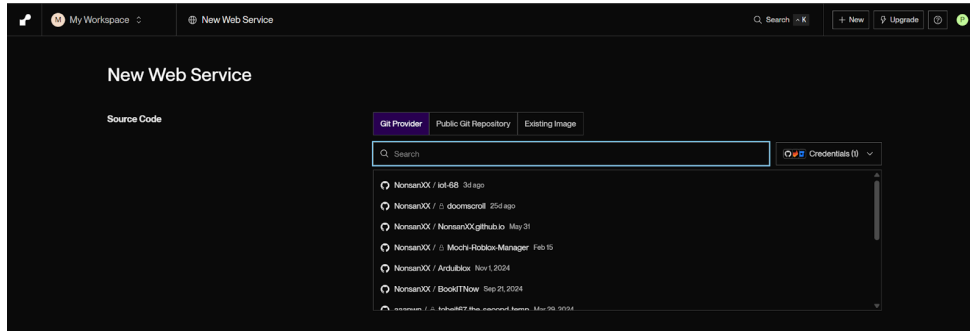
2. สมัครสมาชิกเว็บ Render



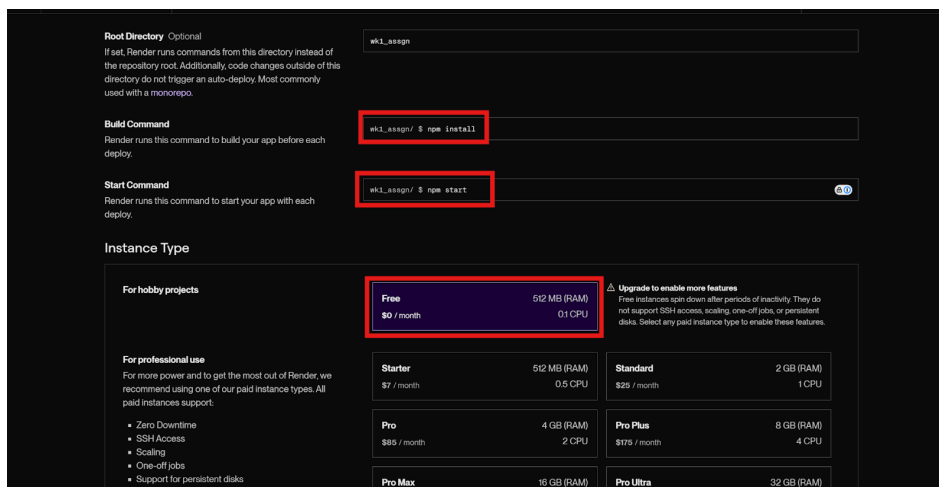
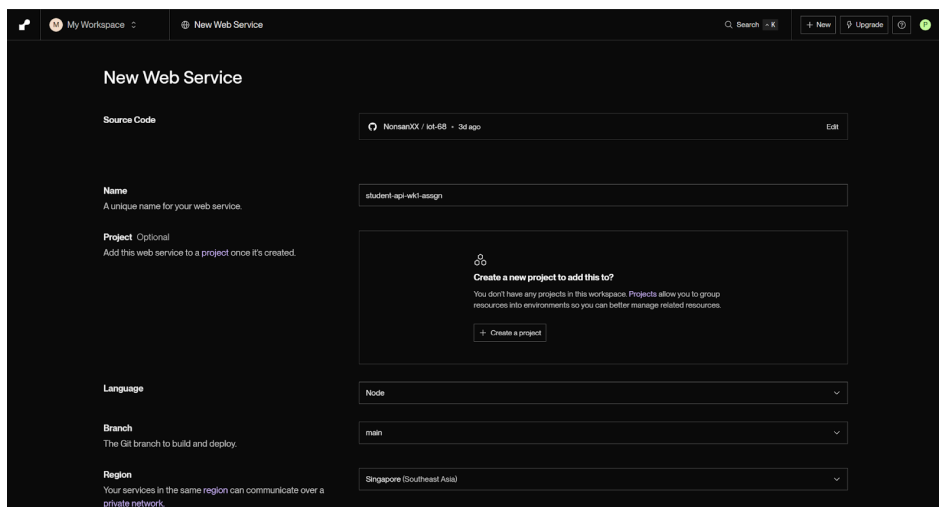
### 3. เลือก Deploy a Web Service



### 4. เลือก Repository ของ Source Code





### 5. ตั้งค่าให้เรียบร้อย ดังรูป (บางอย่างเป็น Optional เช่น Root Directory)




## 6. ใส่ Environment Variable ให้เรียบร้อย

**Environment Variables**  
Set environment-specific config and secrets (such as API keys), then read those values from your code. [Learn more.](#)

DATABASE_URL	*****	
API_SECRET	*****	

+ Add Environment Variable

 Add from .env

## 7. คลิก “Deploy Web Service”

## ปัญหาที่พบและวิธีแก้ไข

```
> start
> node --import tsx/esm api/index.ts
node:internal/modules/package_json_reader:255
  throw new ERR_MODULE_NOT_FOUND(packageName,
    fileURLToPath(base), null);
    ^
Error [ERR_MODULE_NOT_FOUND]: Cannot find package 'tsx' imported
from /opt/render/project/src/wk1_assgn/
    at Object.getPackageJSONURL
(node:internal/modules/package_json_reader:255:9)
    at packageResolve (node:internal/modules/esm/resolve:767:81)
    at moduleResolve (node:internal/modules/esm/resolve:853:18)
    at defaultResolve (node:internal/modules/esm/resolve:983:11)
    at ModuleLoader.defaultResolve
(node:internal/modules/esm/loader:801:12)
    at #cachedDefaultResolve
(node:internal/modules/esm/loader:725:25)
    at ModuleLoader.resolve (node:internal/modules/esm/loader:708:38)
    at ModuleLoader.getModuleJobForImport
(node:internal/modules/esm/loader:309:38)
    at onImport.tracePromise.__proto__
(node:internal/modules/esm/loader:659:36)
    at TracingChannel.tracePromise (node:diagnostics_channel:344:14) {
  code: 'ERR_MODULE_NOT_FOUND'
}
Node.js v24.4.1
==> Exited with status 1
==> Common ways to troubleshoot your deploy:
https://render.com/docs/troubleshooting-deploys
==> Running 'npm start'
> start
> node --import tsx/esm api/index.ts
node:internal/modules/package_json_reader:255
  throw new ERR_MODULE_NOT_FOUND(packageName,
    fileURLToPath(base), null);
    ^
Error [ERR_MODULE_NOT_FOUND]: Cannot find package 'tsx' imported
from /opt/render/project/src/wk1_assgn/
    at Object.getPackageJSONURL
(node:internal/modules/package_json_reader:255:9)
    at packageResolve (node:internal/modules/esm/resolve:767:81)
```

- ถ้าเจอแบบนี้ให้ลองใช้คำสั่ง “npm install” เพิ่มใน build command
- เช็คว่า Dependencies ถูกต้องไหม