



Our Mission
To transform lives
through coding
education.

5-DAY INTENSIVE · RESKILL WALES

Full Stack React

Developer Intensive — build and deploy a real full-stack app in five days.

www.reskillwales.co.uk



01 · THE COURSE

Why this bootcamp

Five days. Five outcomes. One transformed career. Mornings are taught sessions and afternoons are hands-on labs where you build something real — your own React frontend, Node.js API and MongoDB database, deployed live by Friday.

QUESTIONS BEFORE YOU BOOK?

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02 · HOW THE WEEK RUNS

A typical day

9:00 – 10:45 am Taught session

10:45 – 11:00 am Morning break

11:00 am – 12:00 pm Taught session

12:00 – 1:00 pm Lunch break

1:00 – 2:30 pm Hands-on lab





03 · WHAT YOU'LL BUILD

One real app

1

THE PRODUCT

A working full-stack business app — your React frontend talking to your own Node.js API and MongoDB database.

2

THE PROOF

Deployed live on the internet, documented on GitHub and ready to show in job interviews.



04 · YOUR STACK

Your three layers

1

Frontend — React components, hooks and state, built with Vite.

2

Backend — Node.js and Express REST APIs with MongoDB and Mongoose.

3

Live — Vercel, Render and MongoDB Atlas, secured with JWT auth and CI/CD.





DAY 01 · CURRICULUM

React Fundamentals

01

Components, props, state and hooks — the building blocks of every modern web application.

WHAT YOU'LL LEARN

- React project setup with Vite
- Components & JSX
- Props & composition
- useState & useEffect hooks
- Conditional rendering
- Lists & keys

LAB

AFTERNOON LAB

Build a responsive React UI with multiple interactive components



DAY 02 · CURRICULUM

02

APIs & Data Fetching

Connecting your React frontend to real data — REST APIs, async operations and error handling.

WHAT YOU'LL LEARN

- REST API fundamentals
- Fetch & async/await
- Loading & error states
- API authentication basics
- Environment variables
- Postman & API testing

LAB

AFTERNOON LAB

Build a React app that consumes a public API with search & filters



DAY 03 · CURRICULUM

Backend & Databases

03

Your own API server — Express routes, MongoDB models and CRUD operations that power your app.

WHAT YOU'LL LEARN

- Node.js & Express setup
- RESTful route design
- MongoDB & Mongoose
- CRUD operations
- Input validation
- Error handling middleware

LAB

AFTERNOON LAB

Build a REST API with Express and MongoDB for your app



DAY 04 · CURRICULUM

Auth & Git Workflows

04

User accounts, JWT auth and the Git/GitHub practices every professional development team uses.

WHAT YOU'LL LEARN

- JWT authentication
- Password hashing (bcrypt)
- Protected routes, front and back
- Git branching strategy
- Pull requests & code review
- GitHub Actions basics

LAB

AFTERNOON LAB

Add authentication to your app and push to GitHub with CI/CD



DAY 05 · CURRICULUM

Deploy & Portfolio

05

Ship it. Deploy your full-stack app to the internet and prepare it as a portfolio piece.

WHAT YOU'LL LEARN

- Deploying the frontend to Vercel
- Deploying the backend to Render/Railway
- MongoDB Atlas cloud database
- Custom domains & SSL
- README & documentation
- Interview prep for developer roles

LAB

AFTERNOON LAB

Deploy your complete full-stack application to production





05 · WHERE YOU'LL TRAIN

Find us on the map

Training runs from Llynfi Enterprise Centre — we are inside the Main Entrance. Get in touch if you need any help finding us.

CALL US

01656 737349

EMAIL US

hello@reskillwales.co.uk





READY TO BUILD?

Ship it by Friday

Full Stack React Developer Intensive

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