

# Diploma in Web Development – Part I



## Lesson 6

### The Full Stack – Choose Your Path

Presented by:  
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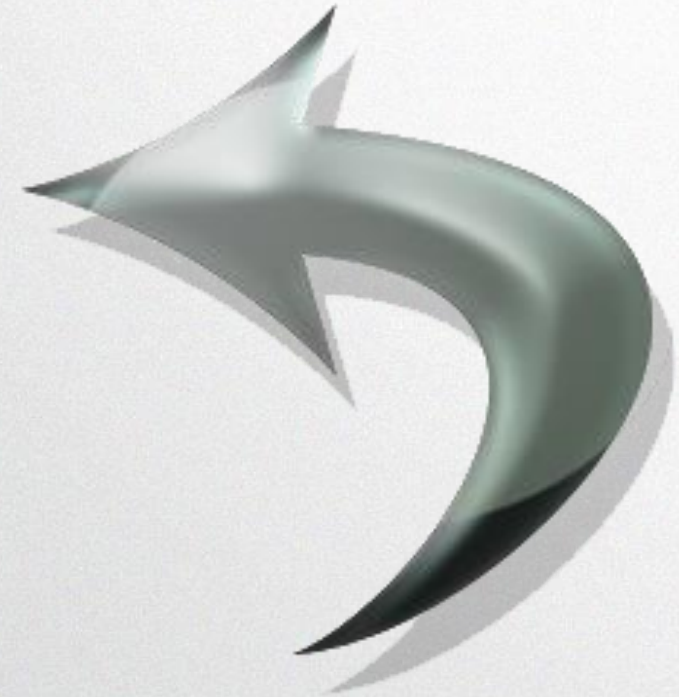


# Lesson 5 Recap

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## Going Live

- Development vs Live
- Choosing Your Host
- URLs & The Internet
  
- Summary
- Q&A





## The Full Stack – Choose Your Path

- Professional Development Roles
- Freelance & The Full Stack
- Roles in Peripheral Industries
  
- Summary
- Q&A

AGENDA





# Let's Begin!

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# Professional Development Roles





## Web Designer



## Web Designer

is responsible for the look and feel of a website

This includes colours, fonts, layout, menus, and navigation

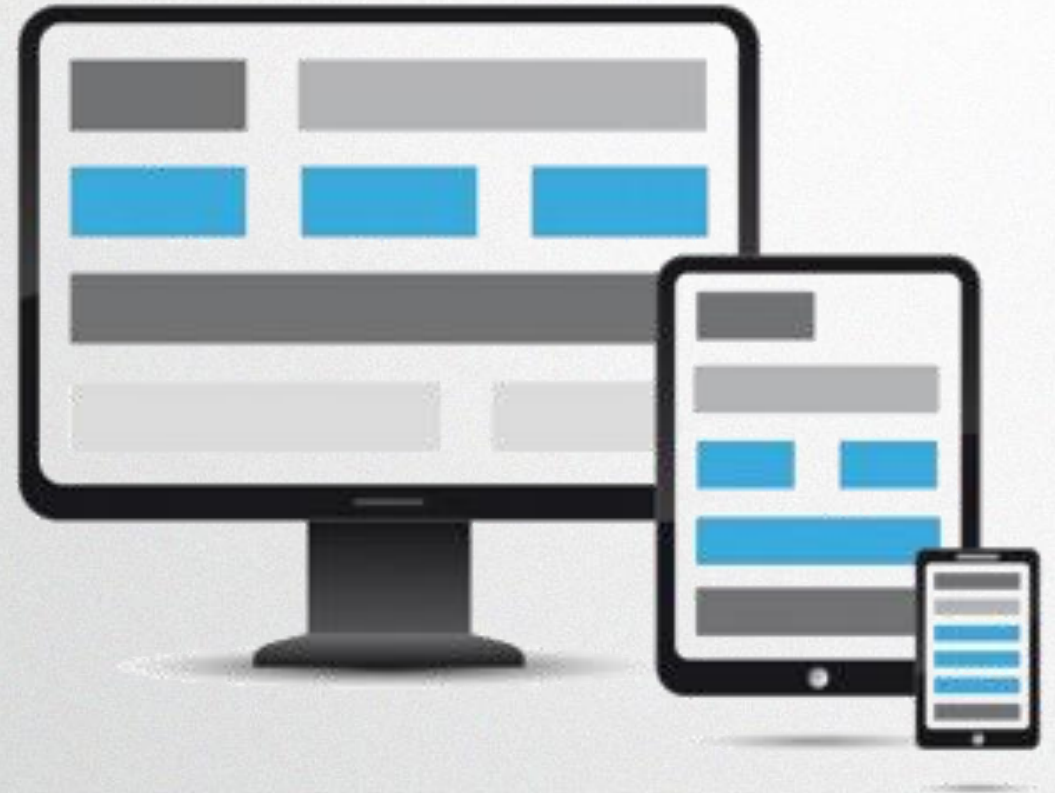




# Professional Development Roles

## Web Designer

- Designing for different devices (responsive design, etc)
- Visual user experience
- Also: UI and UX Designer





# Professional Development Roles

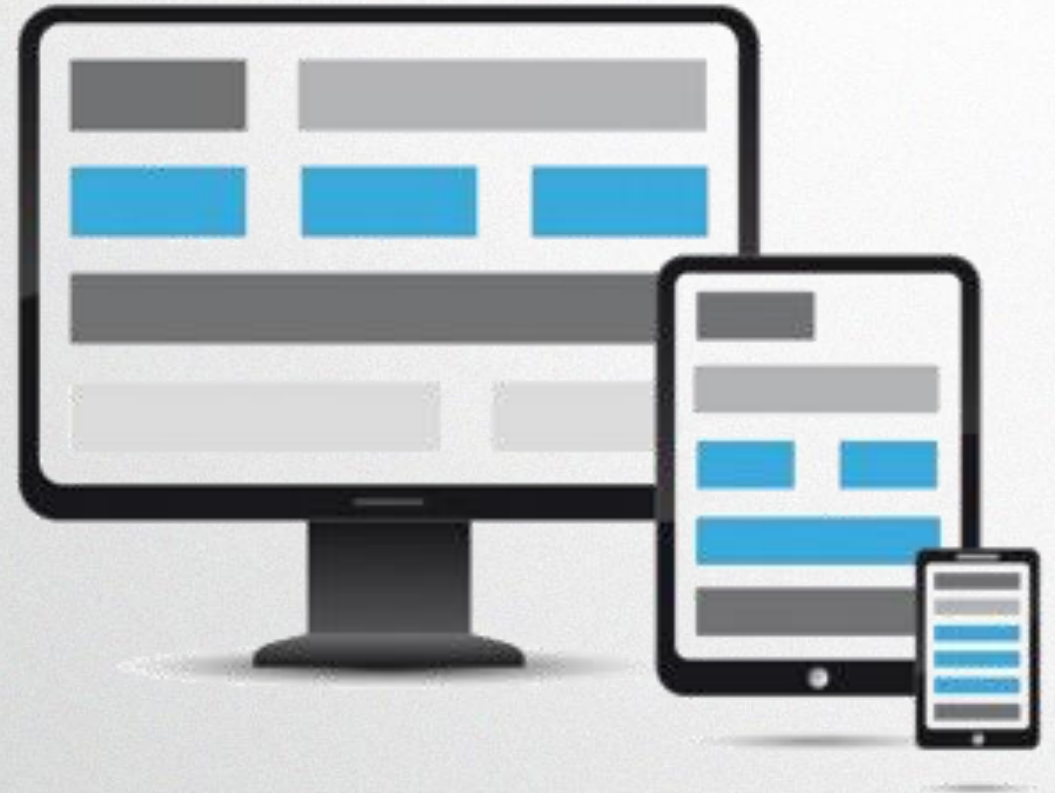
## Web Designer

### Very Strong Knowledge:

- HTML
- CSS

### Light Knowledge:

- JavaScript (for visual animations)



## Front-End Developer





## Front-End Developer

is responsible for functionality on the front-end of a website



# Professional Development Roles

## Front-End Developer

- Programming Events
- Dynamic HTML content
- Interactive user experience
  
- Related:
  - UX Designer





# Professional Development Roles

## Front-End Developer

### Very Strong Knowledge:

- JavaScript
  - Libraries (e.g. JQuery)
  - Techniques (e.g. AJAX)
  - Frameworks (AngularJS)





# Professional Development Roles

## Front-End Developer

### Strong Knowledge:

- HTML
- CSS
- Back-End APIs





## Back-End Developer



## Back-End Developer

is responsible for the logical processes and core computations of a web application





# Professional Development Roles

## Back-End Developer

- Robust software implementations
- Error-handling and recovery
- Organisation and maintainability
- Building Content Management Systems





# Professional Development Roles

## Back-End Developer

### Strong Knowledge:

- Back-End Languages
  - Libraries
  - Frameworks
- Logic and Calculation
- Database APIs (SQL)





# Professional Development Roles

## Back-End Developer

### Light Knowledge:

- HTML
- HTTP POST/GET
- Other Internet Protocols
- JavaScript
- AJAX



# Database Administrator





## Database Administrator

is responsible for the maintenance, update, and architecture of a given Database Management System



# Freelance & Full Stack Development





# Freelance & The Full Stack

## Freelance Development

- Self-Employed
- Contract-based work
- Specialist or Jack-of-all-trades



# Freelance & The Full Stack

## Freelance Development

### Advantages

- Work when you want
- High pay for hours worked

### Disadvantages

- Getting started can be difficult
- Inconsistent work availability





# Freelance & The Full Stack

## Freelance Development

### Getting Started

- Build a **Portfolio**
- Contribute to open-source projects
- Continuously improve your skills



## Full Stack Developer





## Full Stack Developer

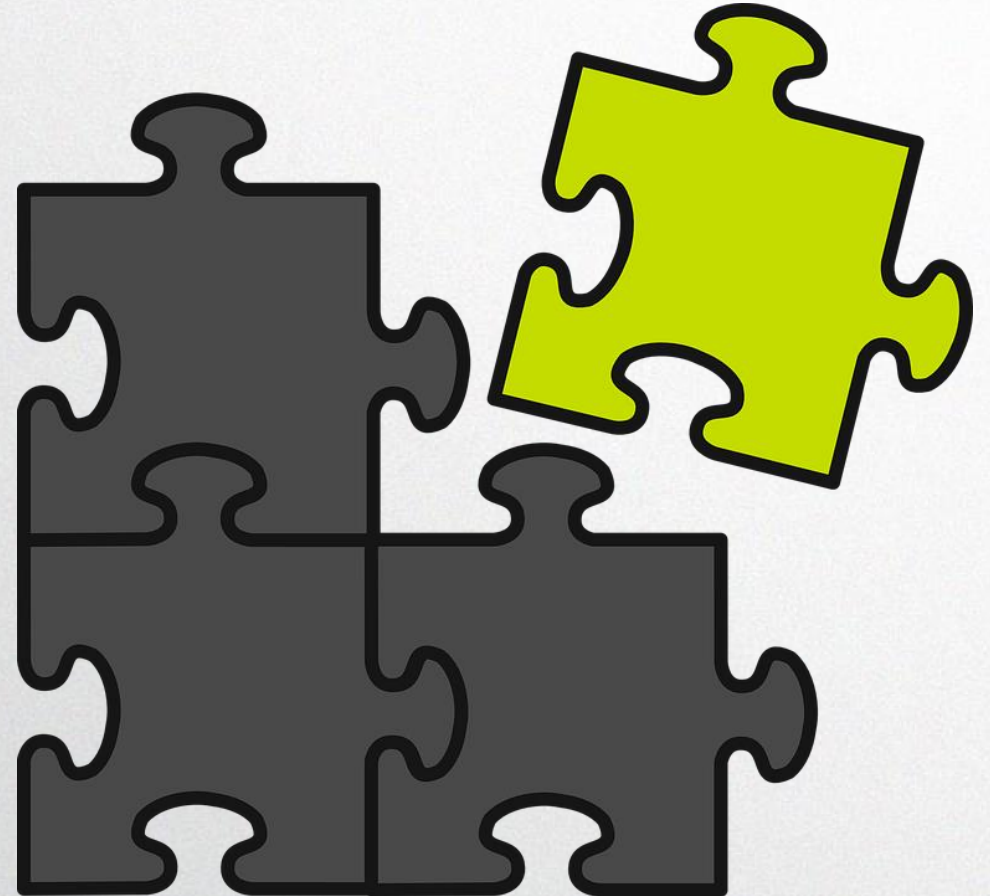
is a term used to describe a developer that is familiar with working on both the front- and back-end of a web application



# Professional Development Roles

## Full Stack Developer

- Software architecture design
- Hot seat work
- Project Management



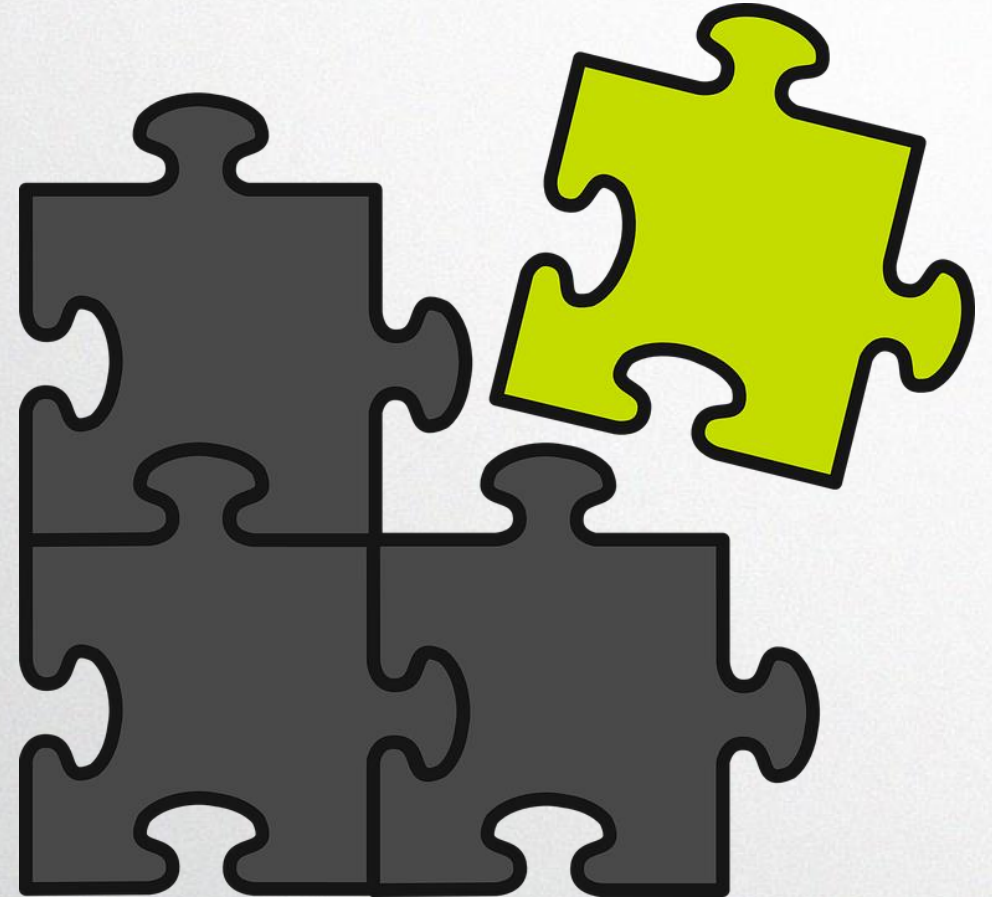


# Professional Development Roles

## Full Stack Developer

**Strong Knowledge:**

- Everything!



# Roles in Peripheral Industries

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Graphic Designer

SEO Specialist

Digital Marketer

Content Writers





## Reaping the Rewards

- The next session is “**Generating Revenue**”
  - Choosing a Revenue Model
  - Ad-Supported Websites
  - Payment Portals & Security
  
- Attend all lessons **LIVE** to grow your knowledge
- Shaw Academy **12-Month Membership** Prize during **Lesson 6**
- Recordings are available within 24 hours of the live webinar

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