ICS Careers Presentation Research: Web Developer

Group Name: The Electric Sheep (just gonna copy dmci team's name)
Total Time: 20 Minutes

Presentation Order
Slide 1 (Introduction): Everyone
- Group Name
- Members
- Topic

Slide 2 (What is a Web Developer): Henry
-

Slide 3 (Tasks): Henry
-

Slide 4 (Academic Requirements): Henry
- ScribbleLive
- Self-Employed

Slide 6 (Salary Range): Miranda
- Entry-level
- Average
- Experienced
- ScribbleLive

Slide 7 (Interview): Miranda
- Questions
- Requirements

Slide 8 (Benefits): Miranda
- LOL NONE

Slide 9 (Drawbacks): Eric
Ok so after hearing all these perks, what are some drawbacks? Well...web development entails a sedentary lifestyle. This means you will spend a lot of time sitting in front of the computer. If paired with a lack of exercise, this could result in health problems such as heart disease, diabetes and a whole host of other complications. Taste is also changing so it requires a good understanding of efficient and ergonomic design. Additionally, you will also have long hours and late nights so that's always great. BUT WAIT… THERE'S MORE

Not all projects you undertake will interest you and some causes may be directly in conflict with your own values. Furthermore, there is a need to constantly be updating your knowledge to keepup with new devleopments. Fianlly,

Slide 10 (Demo): Dhrumil (5 min)
Slide 11 (Sources): ERIC DUDU

- Favourite Source
- Conclusion

COMPANY: ScribbleLive: https://www.scribblelive.com/
https://www.google.ca/maps/place/ScribbleLive/@43.6442109,-79.394968,19z/data=!4m5!3m4!1s0x0:0x86ebd22504153a08!8m2!3d43.643535!4d-79.3938062
https://ca.indeed.com/jobs?q=web%20developer&l=Toronto%2C%20ON&vjk=b023dc8bdc9b5324

Tasks:
- Build and construct websites at a coding level → originally used html, css, and javascript
    - Backend and frontend
    - Construction
    - Management of data
- Management of website → updating, debugging
    - Pen test
    - Patch
- Communication with clients
    - Automated Mail Server
- Construction

National Occupational Classification (NOC): 2175

Workplace:
- Self-employed or hired by companies, governments, banks, etc.
    - Home Business
    - Management of server
- Around 40 hr/week

Requirements:
- Experience with javascript is heavily preferred
- *Recommended*:
        - Front end development is often disparaged because of its seemingly superficial nature, but the frontend of a website is very important
    - Bachelor's Degree
    - Experience
        - Back end development can require developers to think logically, but the demand of your project depends on what you're trying to build

Canadian facts:
- 9,500 job openings vs. 9,400 job seekers in the next decade
- Labour Force Survey (2015)
    - 38% self-employed, 24% greater than the average
    - 88% work full-time, 7% greater than the average
- National Household Survey (2017)
    - 32% women, 16% less than the average

How Contracting Works

- https://www.sjdaccountancy.com/resources/becoming-contractor/how-contracting-works

Rubric:

Typical Day at Work
- Sit in front of computer

Academic Requirements (high school/post secondary)
- Over 7 years of experience (programming, customer communication/service)
- Strong understanding of CSS, Javascript, HTML, PHP, JSON/XML APIs
- Completed post-secondary education/training
- Fluent in German
    - Being multilingual is recommended

Salary Range (entry level - maximum)
- Scribblelive: $60, 000 - $65, 000 yearly
- Entry-level: $25,000-$35,000
- Average: $35,000-$70,000
- Experienced: >$100,000

Research - Interview (thorough and extensive)
-

Benefits and Drawbacks
- *Pros*
    - *Work from, few social interaction*
    - *Stable wage (Depend on your reputation and experience)*
    - *Variety of industries and jobs*
    -
- *Cons*
    - *Sedentary job (spends a lot of time sitting down and in front of computer)*
        - *Health problems*
        - *Have to pay a lot of attention to ergonomics*
    - *Long hours*
    - *Some projects are more interesting, some causes you may not agree with*
    - *Multitasking*
    - *Updating knowledge*
    - *Device compatibility*
        1. Many languages and frameworks to learn and keep up-to-date with (JS, PHP, Django, Node.js, css, HTML 5)

2. Browser compatibility issues. Firefox vs Chrome (Hard code HTML 5)
3. Your web app must be responsive to all different types of devices, especially smartphones. (Dude this is so easy)
4. Hosting cost. $0.12 a year hostgator
5. A field which is growing as fast as the Shanghai Transrapid train. You are required to always update your knowledge every month (if not everyday).

Sources:
www.careercruising.com
www.jobbank.gc.ca

Job Summary

Lead Web Developer - Implementation Location: Toronto, ON, Canada Department: Client Services Type: Full Time

As a **Lead Web Developer** at ScribbleLive, you will help prospective and existing International clients seamlessly integrate ScribbleLive into their existing websites using our API, white label, and embed solutions. This is a Full Time role is based in Toronto. The Developer brings expertise in ScribbleLive products and services to prospective clients as they explore and evaluate ScribbleLive, assists Sales and Account Management staff with product questions, and works mostly with PHP/JQuery/CSS/Javascript/HTML to create custom solutions for new and existing clients. The Implementation Engineer will also run demonstrations and classes to teach people how to use our white label, embed and API technologies, giving them examples and teaching best practices. Due to our large and growing client based in Germany, fluency in speaking and writing German is an asset.

Responsibilities and Duties

Responsibilities:

- Lead the implementation team and mentor other engineers
- Create unique front end experiences for ScribbleLive clients
- Be an expert in ScribbleLive product, usage, and implementation options
- Work with our clients to integrate ScribbleLive into their websites using ScribbleLive templating technology
- Write custom CSS/Javascript/HTML and knows PHP to ensure ScribbleLive implementations match the look-and-feel of client websites
- Help our clients build custom ScribbleLive integrations using our API
- Provide product and service support to Account Management, Sales, and Marketing staff by providing fast, accurate answers to product, workflow, and technical questions
- Participate in RFP responses and solution proposals with our Sales staff
- Run demonstrations and classes to teach people how to use our white labels, embeds and API

- Must be able to work on call, overtime, and on weekends.

Qualifications and Skills

Required Experience

- At least 7 years experience
- Completion of college/CEGEP/vocational or technical training
- Ability to work on call, overtime, weekends, days and nights
- Experience in customer service and client communication
- Expert knowledge of CSS, Javascript, HTML
- Expert knowledge of PHP
- Familiarity with JSON/XML APIs
- Fluent in German is an asset. Additional language skills a major plus
- The ability to self-manage, stay organized, and meet deadlines

Benefits

Business Address: 303-49 Spadina Avenue

Work Location: Toronto, ON

Salary/Salary Range: $61,817.60 - $65,000.00

Benefits: Medical, Dental, Life and Group Insurance Benefits

All qualified candidates should apply to this job position. No recruiters/agencies please.

Job Type: Full-time

Salary: $60,000.00 to $65,000.00 /year

Location:

- Toronto, ON (Required)

Language:

- German (Required)

Tell me about your job. Is what you do different in any way from what others in your occupation do?

I am the lead web developer for a social networking site. I primarily do the back-end web development, and some work on the front end as well. My role includes working on the web database, showing content, and writing codes. I work on the web and on a mobile platform.

Can you tell me about your background and how you got into this field?

I received my master's degree from a well-known university. I studied entertainment technology and applied computer science. Because I loved playing video games, I went to tournaments and won a regional tournament. I wanted to make games.

Eventually, I transitioned into the role of a web developer, working for a startup, and have been doing that for the past year. It was a natural transition for me because of the technical aspect of my previous work.

What personal characteristics are required for someone to be successful in your job?

You must be detail-oriented. There are lots of bugs in programming. You have to have the ability to fix errors. People will notice when a website is not working well and will not be happy with that.

How much job security is there for people in your field?

There are up to 2 years of job security if you're working for a startup, which can dry up its funds in that amount of time. If the startup raises further funds or has an IPO (initial public offering), you could count on 4 years or more of work.

It's possible to work in the software field your whole life because the Internet is still a young technology and is spreading worldwide.

What other jobs could you do with the skills you have gained in this field?

My background is unique. Because I previously worked on video games, I could go back to that.

It's possible for a web developer to transition into software engineering. The skillsets are closely tied. You must have computational skills and consider user interface in software engineering and as a web developer.

What do you think the future holds for people in your occupation?

More engineers and designers are working on mobile apps or rich interactive websites and not in Flash.

Even in a tough economy, there tends to be work because there is an abundance of startups. These companies need people with programming skills.

What are the biggest challenges in your job?

There is a lot of responsibility involved in working for a startup. I find this challenging because if something breaks on the site, I know it's my fault. There are a lot of users on the site who will see that bug.

Trying to keep up with technology is also hard. Technology is continually changing.

Are there many opportunities in your field? What should people do to get started?

Yes, there are opportunities in web developing. Startups and most companies have a need for a web developer to work on a website or a mobile application. The websites are important for the internal and external growth of a company.

A good way to get started is by building a WordPress site for a company or even yourself.