**Cheryl Fernandes**

UI/UX Developer and Designer

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Portfolio: https://db.tt/SwRGBIDh

Visa Status: Am on my first H1-B (exp 11SEPT2017) and will need an H1-B transfer or a green-card sponsorship.

**Corporate Experience:**

1. 5 years of experience as a UI Developer/Designer

2. Production-level code for customer facing enterprise applications and online trainings for up to 300 users.

3. HTML5 API for geo-location, sessionStorage and media tags like audio and video and tags for validation.

4. CSS 2/3 to create and maintain responsive templates for WordPress and Joomla and other custom CMSs.

5. Bootstrap2/3 for responsive design. I also tweaked it to match theme and layout requirements.

6. JavaScript to create object-oriented classes, UI validations. ECMAScript 5 and 6 depending on browser used.

7. Appropriate shims to make up for browser backward compatibility and modernizer.js

8. JQuery 1.5-2.0 for Ajax calls to consume REST web-services, validations, animations, promises, pseudo-selectors, delegate, and deferrer. Plugins like JQuery Tables hooked up to server applications.

9. SASS templates with Compass1.0.3 and Susy2 for responsive 2,3,4 columns and print media.

10. Accessibility testing (Section 508, ADA) and aria-tags in code where applicable.

11. HTML validity using W3C and CSS testers. Cross-browser and cross-platform testing.

12. Code testing using JUnit4 and Selenium.

13. MEAN applications AngularJS1.4 to perform CRUD operations in single-page applications, NODEJS 4.1.1 to create a secure REST API. Used Bower 1.5.3 and Gulp too.

14. D3JS for interactive graphs and data-analysis.

15. Using AdobeCS6 for creating marketing materials, logos, CSS sprites, infographics, how-it-works graphics.

16. Writing blogs, maintaining social-media sites.

17. SEO-Optimized product websites using WordPress, Joomla and other popular CMSs with maintainable layouts.

18. Website redesign for new layout/theme or integrating new HTML5 features.

19. Mock-ups, low-fidelity prototypes, mood-boards and user-scenarios using Balsamiq, LucidChart and SiteMaps.

20. Customer support and tutorials for products.

21. Securing applications using CSRF tokens, session management, no-cache headers and disabling auto-complete.

22. Meteor 1.1.0.3 to create CRUD applications using BootStrap and JQuery.

23. Creating social media presence for web-sites by adding twitter time lines and popular social media links.

**Skill-Set:**

HTML 4/5, CSS2/3, SASS/LESS, Compass, Susy2

JQuery1.5-2.0 (migrating form older versions of JQuery), Angular.js1.3, Node.js, D3JS, Modernizer.js

Adobe CS6(Photoshop, Illustrator, InDesign), Dreamweaver, Adobe LiveCycle, Balsamiq 2.1.13, LucidCharts

Java8, JSP, PHP, Python, LAMP, XML, JSON, WSDL, WADL, REST, ASP.NET

JUnit4, Selenium, Internationalization (i18n), Maven, Ant, NetBeans 8.0.2,

GitHub, SVN, CentOs7

High-fidelity prototyping, Storyboarding, Responsive Design, Data Visualization,

W3C Standards, Accessibility Testing (Section 508, ADA Compliance), Content Organization,

User Testing, Data Visualization, MVC, OWASP Standards for security, SEO-best practices,

Research surveys, Creating personas, Workflow, wireframes, prototypes, visual design, Nielsen's Principle

**Work Experience:**

**Software Engineer, StrongAuth, Inc. (April 2013 - Present)**

UI Design and Development

1. Creating mock-ups and user-flows for new products using Balsamiq, PhotoShop and LucidCharts.

2. Creating production-level code for interactive UIs using HTML5, CSS, and JQuery 1.5-2.0.

3. Creating server code with REST APIs tested with JUnit4 and Selenium.

4. Creating MEAN applications to communicate with the server.

- HTML5, CSS2/3, SASS3.4.15, JavaScript, AJAX, JQuery(1.5-2.0), Chrome Extensions

- JDK8, Swing, Applets, Servlet 3.0, Vaadin, Struts2, XML, XSLT

- LAMP, Glassfish4, CentOS6, Windows7 Professional, Google App Engine 1.9.11

- Selenium, OWASP Standards, W3C, Section 508 Compatible, JUnit4

- Adobe CS6 - Photoshop, Illustrator, InDesign, Acrobat

-Balsamiq, LucidChart, SiteMaps, Joomla

In this position, I worked on creating secure customer facing applications that consume SOAP and REST web-services. I worked on creating design and code from scratch and adding enhancements to existing code like, better validation, consistent look and feel, backward compatibility upto IE9, FF15, using CSS to replace images with inbuilt features like, background gradients and borders, utilizing HTML5 tags and features like location detection. I also re-factored code and tried to remove repetitive code using inheritance and object-oriented concepts. I redid the product website to be SEO-optimized and modern and increased search-engine ranking by 70%. I worked on documentation and tutorials for users to integrate our products with their application.

**UI Designer, PowerCloud Systems, Inc. (September 2012—April 2013)**

1. Maintained and created product websites using Python, HTML5, CSS and JQuery 1.8.

2. Created UI graphics, logos, CSS sprites and marketing materials.

3. High-fidelity prototype presentations on different UIs

- Graphics Design, Vector icons and logos.

- HTML, CSS, JQuery, Python, responsive design

In this position I was part of the marketing and design team and was asked to create graphics and media-kits for products. I also helped re-develop and maintain the existing website.

**UI Developer, Gaea Global Technologies (January 2013—March 2013)**

1. Created a CSS template for WordPress with some JQuery for animation.

2. Used CSS2/3 animations and effects like shadow and gradient

3. Created a responsive layout using SASS.

**IT Technical Associate, University of Illinois at Chicago (Feb 2009—August 2012)**

1. Created online-trainings for 3 campuses of the University of Illinois using BlackBoard and SoftChalk

2. Created reports for EEO data by writing SQL queries to mine data and then present it in yearly format.

3. Created and maintained various department websites using HTML5, CSS3, JQuery ensuring W3C and Section 508 conformance.

-Form Widgets, MVC, MS MySQL, VB 2007, XML, JSON, Section 508

- Visual Analytics, Form optimization, Content structuring, product design

I started out in this position as a graduate assistant and continued to be an IT technical associate. The department dealt with EEO and so I had to maintain their existing database and create reports for committees to review. I added enhancements to their existing VB application like, better validation, smoother UX while generating weekly reports, adding a date selection macro. I also helped the department create an online training for the 3 campuses of U of I. I modified SoftChalk to add pop-ups to inform users of their training status. I help create a visual report showing how many departments took the training. I was also I charge of registering users and support and maintenance. I also worked with other departments to create small websites.

**Web Developer, Flexi Resources, India (July 2006—August 2007)**

1. Created CSS templates for cross-browse compatibility, W3C conformance for a PHP-based CMS.

2. Helped the development team by creating small PHP functions for CRUD operations, and parsing data from the database.

3. Helped created an internal CRM to keep track of projects and tasks using HTML5, CSS, JQuery and PHP5.

-Cross-browser, LAMP, Shopping Cart, Google Maps

-W3C Compliance, Training, DHTML

This was the first full-time position in my career. My company used an in-house CMS to create websites and I created CSS-templates to materialize the final mock-up approved by clients. I was also asked to write PHP functions for database access and debug JavaScript functions if they were used to update the CSS.

**Academic Work:**

Human-Computer Interaction, Data Mining, Data Visualization, Prototype interfaces for an Events Calendar on small-screen devices, Ontology Matching

**Other Experience:**

Voted Webmaster for the Indian Graduate Student Associate in college

Office Aide and IT Tech Support for UIC

Design Intern, Fashionscopes LLC.

Design and SEO Intern, SparkPointPR Inc.

Web Development course to create a CRUD application using ROR

Currently a volunteer at GreatNonprofits as a front-end developer

**Industries worked in:**

Web application development, Online Marketing, Education, Access & Equity, Insurance, Cloud-Management, Fashion, and Software Security

**Education:**

2006, Bachelors in Engineering, Computer Science, VTU, India

2011, Masters in Computer Science, HCI, University of Illinois, Chicago