

# Cheryl Fernandes

UI/UX Developer and Designer

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**Professional Summary:** UI Developer with over 7 years of experience building JavaScript heavy applications. I propose practical and simple solutions to UI problems based on experience, users and skills learnt in my Master degree. I love volunteering and teaching and am constantly updating my UI skills. I am also interested in alternative interfaces like VR, voice and chatbots.

## Skill-Set:

React 15.3.2/15.4.2, React-Native 0.35.0, Babel, Webpack, HTML 4/5, CSS2/3, SASS/LESS, Lodash4.17.4, Ex-Navigation, JQuery1.5-2.0, Angular.js1.3, Node.js, D3JS, ImmutableJS

Adobe CS6 Suite, Dreamweaver, Adobe LiveCycle, Balsamiq 2.1.13, LucidCharts, Sketch, InVision

Java8, JSP, PHP5, Python, LAMP, XML, JSON, WSDL, WADL, REST, ASP.NET

Jest 20.0.4, Mocha 3.1.0, Chai 3.5.0, Sinon 1.17.4, Enzyme 2.4.1, JUnit4, Selenium, Internationalization (i18n), Maven, Ant, NetBeans 8.0.2, IntelliJ, GitHub, SVN, CentOS7, Boomi, Publican

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, Personas, Flows, Wireframes, Prototypes, Visual Design, Nielsen's Principles

## Work Experience:

### UI Developer, Kenandy, Inc. (Nov 2015- Jan 2018)

1. Mockups and user flows using Balsamiq, LucidChart, InVision, Photoshop and Sketch
  2. Testable modular components with React and React-Native using HOC concepts tested using Jest, Mocha, Chai, Sinon and Enzyme. Redux for state management and Gulp for deployment. Used React with D3JS for reports.
  3. Upgrade existing components to SalesForces Lightning components and create a living style guide for maintenance.
  4. Maintain a legacy codebase using Kendo UI (a JQuery-based library)
- React, React-Native, Lightning (SLDS), ES5/6/7, Webpack, Babel, HTML5, CSS2/3, SASS3.4.15, JQuery(1.5-2.0), Jest, Mocha, Chai, Sinon, Enzyme, Git, Gulp, GitHub, IntelliJ, Lodash, Ex-navigation
  - Balsamiq, LucidChart, InVision, Trello, Jira, Sketch

As part of the UI team and core team, I have 2 roles. One, to work with around 5 dev teams to maintain an older but functioning JQuery codebase and the other, to work with the core team to migrate to a component-based architecture that allows for modular testing. I am also the go-to gal for any UI issue (JavaScript, UX or cross-browser) and constantly communicate with other teams to understand developer needs. In my spare time, I refactor code and look at possible UX optimizations. The end goal is to make code modular and testable for faster turnover. I used my React skills to help develop a React-Native app for Android and iOS. I'm in the process of creating a testing framework for regression testing. I was able to optimize some code to run 70% faster.

### Software Engineer, StrongAuth, Inc. (April 2013 - Nov 2015)

UI Design and Development

1. Mock-ups and user-flows for new products and POCs. Web element design and marketing materials.
  2. Production-level code for interactive UIs using HTML5, CSS, JQuery 1.5-2.0 and Chrome extensions
  3. REST APIs tested with JUnit4 and Selenium communicating with 3rd party services like Azure and AWS.
- HTML5, CSS2/3, SASS3.4.15, JavaScript, AJAX, JQuery (1.5-2.0), Chrome Extensions
  - JDK8, Swing, Applets, Servlet 3.0, Vaadin, Struts2

- 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

I helped create secure customer facing applications that consume SOAP and REST web-services. I designed and coded from scratch and added enhancements to existing code like better validation, consistent look and feel across products, backward compatibility up to IE9 and FF15, using CSS to replace images with 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 give it a more modern look and increased search-engine ranking by 70%. I worked on product documentation to explain how users could integrate our APIs in their product.

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

1. Maintained and created product websites using Python, HTML5, CSS and JQuery 1.8.
  2. 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

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. My biggest achievement here was to take over website development with a few weeks left for roll-out when the existing developer left.

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

1. Created a custom CSS template for WordPress with some JQuery for animation.
2. CSS2/3 animations and effects like shadow and gradient
3. Responsive layout using SASS.

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

1. Online-trainings for 3 campuses of the University of Illinois using BlackBoard and SoftChalk
  2. Created reports for EEO 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
- 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 then got promoted to IT technical associate. I had to maintain their existing database and create reports for EEO committees to review. I enhanced their existing VB application to have better validation, smoother UX to generate weekly reports and 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 created reports to show department completion. I was in charge of customer support involving registering users, support questions and maintenance. I helped other departments create websites.

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

1. Created CSS templates for cross-browser 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 junior developers, DHTML

This was my first formal job. 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:**

Won 3rd place and a \$1000 cash prize for 'Shoppen' at the San Francisco Fashion Week Hackathon, 2017 (Sponsor: Volare, Inc.)

Won best app design and a free Galvanize course for 'Peep' to help securely share photos after the military scandal (Host: The Expat Woman), 2017

Volunteered at Techtonica to teach women HTML and CSS, 2017

Volunteered to redo websites for an AA group, 2017

Volunteered with Greater Nonprofits to develop their web application, 2015

Design Intern, Fashionscopes LLC, 2013

Design and SEO Intern, SparkPointPR Inc, 2013

Won first place at a gender prediction classification algorithm to classify pieces of text, 2010

Webmaster for the Indian Graduate Student Associate at UIC - Voted FY 2009-2010.

Office Aide and IT Tech Support for UIC, (2009-2010)

**Industries worked in:**

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

**Education:**

Bachelors in Engineering, Computer Science, VTU, India

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

Other Courses:

Algorithms: Design and Analysis, Part I, Stanford University Grade Achieved: 89.1% (Coursera), 2016

Web Application Architectures, University of New Mexico Grade Achieved: 93.9% with Distinction (Coursera), 2015

Web Development course to create a CRUD application using ROR