

# Cheryl Fernandes

UI/UX Developer and Designer

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**Professional Summary:** 7 years 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:

Angular7, ngrx, TypeScript, Gradle, WebSockets, Android Studio, VSCode  
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:

### Lead Developer, VitalConnect, Inc. (Aug 2018-Present)

1. Develop and maintain UX/UI pattern library.
2. Interact with Project Management and QA teams to gather requirements and objectives.
3. Develop and implement test plans to an automated CI build server.
4. Review code of peers and mentor junior developers.

I lead development for the UI for Android and web apps that interface with a body sensor and the cloud. The UI has to respond to async events and web socket events and update accordingly. I interact with designers and project managers to discuss possible user experiences. I use creativity, foresight, and good engineering judgment in anticipating and solving various UI/UX problems. I create UI components to enable quick development and testing and to accommodate requirement changes. I use Storybook style guide development. I upgraded the existing UI library and provided better UX and faster turnover time with a better developer experience.

### UI Developer, Kenandy, Inc. - (Acquired RootStock, 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. Redux for state management and Gulp for deployment. 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)

As part of the UI team and Core team, I had 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 with modular testing. I developed a react-native app with a testing framework for Android and iOS. I was the go-to gal for any UI issue (JavaScript, UX or cross-browser) and worked to understand developer requirements. I refactored code to run 70% faster and optimized UX.

## **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 created 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 re-factored 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 for API integration.

## **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 created graphics and media-kits for products. I developed and maintain the existing website. My biggest achievement was taking 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 maintained the database and created reports for EEO committees to review. I enhanced the VisualBasic application with better validation, smoother UX to generate weekly reports and wrote 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. Created PHP5 functions for CRUD operations and parsing data from the database.
  3. 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 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 used PHP for DB querying, JavaScript and CSS for inline styling.

### **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, BioTech

### **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