

# Vishal Sakaria - Curriculum Vitae

My passion is Software Engineering using strong Functional and Object Oriented principles and BDD as well as great design and user experience. I endeavour to write clean concise and robust code that is flexible, maintainable and easy to understand. I get a real buzz out of feeding use cases into tests and then writing code. I strive to communicate concisely & clearly, and love discussing new solutions as a team. It is difficult to encapsulate my personality, however people would describe me as fun, creative, altruistic, confident, enthusiastic, and inquisitive. I love to travel and recently have been to Costa Rica and Vietnam. I also enjoying art and music as well as socialising and keeping fit.

Code Samples available on GitHub: <https://github.com/vsakaria>

More snippets at: <https://gist.github.com/vsakaria>

Personal Page and vblog: [www.vishal81.com](http://www.vishal81.com)

## Side Projects/Self Learning

Topics	To
ES6, Functional Programming, understanding this context, call, apply & bind, first class objects, closures, call stack, high order functions. React anti patterns. Coaching students in the evening. Node.js, Express.js React Native – Flexbox, FlatList. Functional composition, custom composers, React Hooks and effects.	End of time

## Employment Experience:

Employee	Responsibilities & Achievements
<b>Wipro Digital</b> 08/19 - Current	<b>Engineering Transformation - Typescript, React, Redux.</b> Working as a subject matter specialist, I create a seed project for 10+ distributed teams to use. This involved strategic decision to prompt great Developer Experience (DX), support fast delivery and achieve high test coverage. This was done by using functional composition, currying, a higher order ErrorBoundary component & React Hooks. The testing strategy was based on a mixture of Black box snapshot testing for pure non state components allowing more focus on stateful logic using White box enzyme testing. Middleware was used to POST errors to an API and deal with internal Redux errors. Drawing on my past teaching experience I took the lead in creating high quality training material for less experienced devs.
<b>Wipro Digital</b> 08/18 - 08/18  Lloyds Commercial Banking	<b>Web Developer - Typescript, React, Redux, Node.js.</b> Being a leading face in the development of the commercial banking platform I introduced technical refinement sessions to aid in the Agile process as well as training junior developers, business analysts and QE's. Writing high quality semantic code I achieved test coverage of 95% using Typescript. Typescript interfaces, types, return types and guard clauses are a comfortable part of my practice. I introduced deconstructing, spread operators, forwarding refs, React Fragments, the use of Context API, strict TS interfaces, hot module reloading and husky hooks to the other developers. As well as writing a mock server in Node.js and Express I completed a number of complex validation scenarios with foresight into future changes. I contributed to structuring the projects as the code based scaled out. During the growth period of the project Redux actions were decoupled into small 'Lego' size actions that were composed around the project
<b>CognitionX</b> 04/18 - 05/18 Artificial Intelligence	<b>UI Developer – React, Redux.</b> Working for a startup I created an on boarding process using React container and presentation components as well as well defined patterns. In addition I used Redux CRUD and React-Redux-Forms.
<b>ValTech UK- Bupa Global</b> 03/17 - 03/18  Bupa Global Health Insurance & ecommerce	<b>UI Developer – React, Redux, Vanilla JavaScript, SASS.</b> I used React and Redux to build a new quote process using presentation and container components. All the components were tested using expect.js, Enzyme and Mocha. I implemented Hot Module Reloading as well as Redux DevTools middleware to make the development process more streamline. Redux-Thunks were used as well as Dan Abramov's action interceptors to track Http calls. Thunks were tested using redux-mock-store and nock. Stores were also tested. React Router was used and I added in editor ESLinting and Webpack source maps. I worked on with SiteCore CMS to build a fully responsive payment gateway using a bespoke framework in pure JavaScript and SASS. I introduced Babel and ES6 to the project and dealt with high order functions, function binding, Pub Sub design patterns. To improve the build process I brought in Husky pre commits, Jasmine testing and JSLint. I also contributed to UX designs decisions for the checkout.
<b>Thomson Reuters</b> 01/17 - 03/17	<b>UI Developer – React</b> Building reusable React.js components into an internally managed npm repo. ES7 async and await. Ultra clean git history with git fixup, autosquash and rebasing.
<b>Lloyd's online Doctor</b> 01/16 - 11/16  Health Care & eCommerce	<b>Frontend Developer JavaScript SASS</b> I initiated the use of Angular 2, ES6 and Typescript for a greenfield project. I introduced Angular Reactive Forms for the checkout process bringing in custom Validators, using the FormBuilder. This included tooling with Webpack to set up the test and build process. I lead the design of component architecture incorporating one level event emission. In addition, I researched and brought in RxJS for HTTP requests and component communication using Subjects. I continued to use Jasmine BDD on both a service, using RxJS (Reactive Extentions) and component level using fixtures. Using Node JS I created a mock data server for the development environment. I achieved 92% - 100% test coverage. Other skills included SASS, Grunt, NPM, UX and design.

<b>Lastminute</b> 07/14 - 12/15	<b>UI Developer Backbone, Vanilla JavaScript, SASS</b> Working on rolling out the responsive checkout app using Backbone.js, Jasmine, Text internationalisation, complex in-validation, Building grunt tasks & building and managing Jenkins pipelines with unit test coverage & JSLinting. Additional working on the main product, Hotels. I created adverts using APIs, Hotel locations on Google Maps, refactored spaghetti code using Marionette, created a mock server to request data using Node JS, supported QAs, worked with BAs to refine stories and held talks regarding new technologies.
Travel eCommerce	
<b>SupaDupa</b> 07/13 - 07/14	<b>Full Stack Developer – Ruby, Backbone, Vanilla JavaScript, SASS</b> I worked on adding features to a code base of 200000+ lines. I produced a fully automated customer referral system in Ruby on Rails using various APIs. I also used Angular 1 on various projects including an Image up loader. All my code was written using BDD, my skills in mocking and stubbing deepened. Other skills include Cookies, RegEx, Haml, SASS, Coffeescript, deploying code, assessing security flaws and designing code that is evolutionary.
Full eCommerce Platform	
<b>Contractor</b> 06/13 - 07/13	<b>JavaScript</b> I built a JS Application that visualised data onto a map using Leaflet.js & Underscore.js. I also implemented UX and design idea's to make the map look beautiful. (See portfolio)
Big Data	
<b>Parliament Hill</b>	Deputy head of ICT & Head of e-learning
<b>QK School</b>	Teacher of ICT, Head of e-learning.

## Education, Evening Classes and Qualifications:

<b>Eduction, evening training &amp; extra courses.</b>	<b>From/To</b>
<b>React Academy - Advanced React – Starts 11 July 2019</b> Higher order component, render props, compound components, cloneElement, React.Map, context api, hooks & effects, styled-components, function composition and closure.	07 / 19 07 / 19
<b>Makers Academy - OO JavaScript/JQuery/Jasmine</b> Writing solid, reusable OO JavaScript libraries using techniques such as prototype functions, function callbacks, closures, hoisting and getting rid of global variables. BDD/TDD I love testing because I believe in the benefits of it as a source of documentation, as a method for improving the way I write clean compact code using agile, and (to quote Uncle Bob) "Because of the tests, software becomes soft again".	02 / 13 06 / 13
<b>Central St Martins - UAL - Graphic Design</b> Typography Layout and Image-making	04 / 16 06 / 16
<b>Advanced Next level JS</b> Performance, memory profiling JavaScript Testing Jasmine, Karma, Q-unit	03 / 17 Evening
<b>Advanced UX Designing for Multiple Devices</b> Understanding Information Architecture E-commerce Workshop: Understanding the What, Why & How of Online Retail	05 / 17 Evening
<b>Post Graduate Cert. In Education in ICT (11 -18 year old)</b> Teacher training for KS3, KS4 and KS5	09 / 06 05 / 06
<b>BSc (Hons) Computing Information Systems with Marketing - 2.1</b> Advanced Java Programming 1 <sup>st</sup> Java Programming 1 <sup>st</sup> Software Engineering (SDLC) 1 <sup>st</sup> Computer Graphics in Java 2.1 Final Project: Web site for mobile phones in Java 2.1	09 / 00 07 / 03

## Other Information:

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