Carlos A. Wilson – Mobile & Front-End Developer

SUMMARY:

I have always been driven by a passion for learning and problem solving with the help of computers. Along my journey, I have had the chance of working with Web technologies (JavaScript, Typescript, HTML5, NET Core, Mobile-First & Responsive Design, AngularJs, Angular and ReactJs), backend languages (C#, PHP, Python) and mobile technologies (Java, Swift, iOS, Android).

This means, that I have hands-on experience with the following technologies:

> Mobile Development with iOS and tools like XCode, Auto Layout, Core Data, Alamofire, Unit Testing, XCode Debugging, among others;

> Hands-On Knowledge of SwiftUI development;

> Hands-On Knowledge of Objective-C;

> Single Page Application development using MVC technologies like Angularjs / Angular 4+ / ReactJS;

> Responsive web design with Bootstrap, Flexbox and the CSS Grid;

> Using state management tools like Redux / Redux-Thunk and MobX;

> Asynchronous flows using the Callback, Promises, generators and Observable techniques;

> Functional techniques and reactive development tools (RxJS library / Redux / Reselect)

> Automated Testing in both Nodejs and the Web (Jasmine/Mocha/Chai/Sinon & TestBed); and End-To-End Testing (with Nightwatch.js);

> Containerized apps (with Docker) and virtualization (with Vagrant and VirtualBox);

> ORMs like Entity Framework and SQLAlchemy for interfacing with common database technologies;

> Working and analyzing large datasets using DataFrames with Pandas and NumPy. Creating Financial Scenarios with Excel. Working with Confidence Intervals, Hypothesis Testing, Linear and Multivariate Regressions. Logistic Regressions.

I also have developed many important soft skills for team work, including: Listening skills, Attention to detail, Effective communication, Critical thinking, Interpersonal skills, Active learning/learning new skills.

So, while I am not (and don't intend to be) the brightest kid on the block, I love helping and learning from others.

SKILLS:

- ➤ **Languages & Frameworks:** Web Development (JavaScript, TypeScript, CSS, AngularJS, Angular, ReactJs, HTML5, CSS, SASS), Mobile Development (iOS Development w/Swift, Android Development w/Java), Back-End Development (C#, NET Core, NodeJS, ExpressJS, SQL), Bash scripting, Data Visualization (Tableau).

- ➤ **RDBMS:** PostgresQL, MYSQL, SQLite, SQL Server, MongoDB, Redis.

- ➤ **Other Tools:** XCode, SQL Developer, MYSQL Workbench, Rider, WebStorm, Visual Studio, VS Code, Docker, Git, GitHub, Bitbucket, GitLab, Windows OS, MacOS, Android Studio.

- ➤ **SDLC:** Agile (SCRUM).

- ➤ **Management:** Team management, work estimation, scheduling, planning.

PROFESSIONAL EXPERIENCE:

Contractor at Tata Consultancy Services   **March 2021 – Current**
iOS Developer
Project: Omnitracs

Business Need & Responsibility: Working as a Front-End & Mobile developer using Angular v10.0 and the iOS SDK for an application in the automotive sector.

Here I worked adding features and scenes to the application, using Core Location and Mapkit, enabling an easier tracking of vehicles. Regarding the Front-End, I helped the team by

implementing new Components for the companion Web applications. Among my daily activities, I also joined clarification meetings and training meetings to help new joiners get up to speed.

Among the main technologies I am applying here are: XCode, iOS, Angular 10, HTML5, JavaScript, SASS, NodeJS, npm, yarn, git, Github, JIRA and Confluence for documentation. Worth mentioning: my team follows Agile Methodologies (SCRUM).

Environment: Angular, XCode, iOS, Alamofire, SwiftyBeaver, Kingfisher, Core Location, Mapkit, Git, JIRA, Confluence, JavaScript, TypeScript, Bash terminal, SQL Server, SQL Management Studio, Jasmine, HTML5, SASS, CSS3, Bootstrap, Outlook, Teams, NodeJS, npm.

Contractor at OneInc   **Sep '2020 – Present**
Front End Developer
Project: PortalOne

Business Need & Responsibility: Working as a Front-End & Back-End developer using Angular v9.0 & NET.Core and NET Core MVC, creating web components for a set of Financial applications. Here I work implementing new features, fixing bugs and providing maintenance to the applications. Also, I read and write system documentation and help with Code reviews. I also work implementing changes in the .NET Core backend.

Among the main technologies I am applying here are: HTML5, JavaScript, CSS3, and the Mocha Framework. Here I worked implementing features, fixing bugs, creating Unit Tests, applying responsive techniques and creating views, controllers (business logic) and styling. For version control, I worked with Git/GitLab and Confluence for documentation. Worth mentioning: my team follows Agile Methodologies (SCRUM).

Responsibilities:

- Build and update UI components for web applications using Angular
- Implementing unit testing for UI features
- Develop shell scripting to simplify repeating tasks
- Follow guidelines for Code quality
- Help with Code reviews
- Versioning of code base with Git
- To read and write system documentation in Confluence
- Planning tasks with time and efforts
- Translate UI designs into UI components
- Ensure responsive layouts with Bootstrap 4

> **Environment: Angular 1.6, 1.7, 1.8, 5, 6, 7, Git, Gitlab, JIRA, Confluence, JavaScript, TypeScript, Bash terminal, SQL Server, SQL Management Studio, Jasmine, C# 8, Net Core 3, HTML5, SASS, CSS3, Bootstrap 3, Bootstrap 4, Rider IDE, Windows, Outlook, Teams, NodeJS, npm.**

Yellow Me   **Sept '2019 – Nov '2019**
Senior UI Front End Developer
Project: Internal Company Projects

Business Need & Responsibility: Building UI Components for Yellow Me's internal Web Applications, to be included in all of the company's web products using ReactJS and NodeJS.

Responsibilities:

- Developed UI components (widgets) using ReactJS, HTML5, JSX, CSS, TypeScript, NodeJs and npm packages.
- Work with an agile methodology.
- Working with UX team to preserve the same look and feel and animations they proposed.
- Adjust CSS Styles using a mobile-first approach.
- Using Flex and CSS Media Queries for Responsive UIs.
- Review code from teammates and approved pull requests.
- Cross-browser testing.
- Resolve issues of production site.
- Planning task with time and efforts.
- Working with Git and GitLab.
- Helping new team members with Onboarding and Coaching.

> **Environment: TypeScript, ReactJS, Redux, JSX, SASS, CSS, HTML, JSON, AJAX, NodeJS, NPM, Git, GitHub**

Oracle Mexico   **Sept '2019 – Sept '2020**
Lead UI Front End Developer
Project: Internal Oracle Projects

Business Need & Responsibility: Building UI Components for Oracle's internal Web Applications, to be included in all the Oracle web products. Also, building tools to improve the user experience using the Yeoman scaffolding tool.

Responsibilities:

- Developed UI components (widgets) using OracleJET, HTML5, JSX, CSS, TypeScript, NodeJs and npm packages.
- Work with an agile methodology.
- Working with UX team to preserve the same look and feel and animations they proposed.
- Adjust CSS Styles using a mobile-first approach.
- Using Flex and CSS Media Queries for Responsive UIs.
- Review code from teammates and approved pull requests.
- Cross-browser testing.
- Functional Testing using the Selenium WebDriver.
- Resolve issues of production site.
- Planning task with time and efforts.
- Working with Git and GitLab.
- Helping new team members with Onboarding and Coaching.

Environment: TypeScript, Oracle JET Framework, Redux, JSX, SASS, CSS, HTML, JSON, AJAX, Yeoman, NodeJS, NPM, Git, GitHub

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Global Systems Outsourcing   **May '2019 – Sep '2019**
Senior Mobile Developer

Business Need & Responsibility: Working as an Android Developer for an application in the real state sector targeting users looking to buy houses in the US.

Responsibilities:

- Worked with both backend, mobile and web technologies.
- Building Activities and persisting information in the app
- Building the XML layout for the app using many different layouts (Linear Layout, Constraint Layout).
- Building UI components with technologies such as Angular, HTML5, JavaScript, CSS3/SASS, and the Jasmine Framework.
- I worked implementing new features, fixing bugs, creating Unit Tests, applying responsive techniques and creating views, controllers (business logic) and styling.
- In the backend, I worked with the Django Python Framework.
- For version control, I worked with Git/GitHub and Confluence for documentation.
- Worth mentioning: I worked in the context of Agile Methodologies (SCRUM).

Human, Mex SCP   **Apr'2019 – May '2019**
Mobile Developer

Business Need & Responsibility: Building the UI for a mobile app & web application of a Car Rental company, so that end users could access the company services in an easier way.

Responsibilities:

- Building Activities and persisting information in the app
- Building the XML layout for the app using many different layouts (Linear Layout, Constraint Layout).
- Worked with the iOS SDK & swift to give maintenance to existing iOS applications
- Developed UI components (widgets) using HTML5, ReactJS, SASS, ES6.
- Work with an agile methodology (SCRUM).
- Working with UX team to implement the required layout.
- Adjust CSS Styles using a mobile-first approach.
- Using Flex and CSS Media Queries for Responsive UIs.
- Review code from teammates and approved pull requests.
- Unit Testing with Jest and Enzyme.
- Planning task with time and efforts.
- Working with Git and GitLab.
- Helping new team members with Onboarding and Coaching.

MCLII S A P I DE CV (KNOWN AS POUNCE CORPORATION)   **Feb'2019 – March'2019**

Lead UI Front End Developer
Project: Web Application for Automotive Industry

Business Need & Responsibility: Building UI Components for a Web Application, using ReactJS.

Responsibilities:

- Developed UI components (widgets) using ReactJs, HTML5, JSX, CSS, TypeScript, NodeJs and npm packages.
- Work with an agile methodology.
- Working with UX team to preserve the same look and feel and animations they proposed.
- Adjust CSS Styles using a mobile-first approach.
- Using Flex and CSS Media Queries for Responsive UIs.
- Review code from teammates and approved pull requests.
- Cross-browser testing.
- Resolve issues of production site.
- Planning task with time and efforts.
- Working with Git and GitLab.
- Helping new team members with Onboarding and Coaching.

Environment: TypeScript, ReactJS, Redux, JSX, SASS, CSS, HTML, JSON, AJAX, Yeoman, NodeJS, NPM, Git, GitHub

Anexinet (Northware)   **Aug '2018 – Jan '2019**
Web Developer

Business Need & Responsibility: Building UI components for a Dashboard-style Web Application for the Financial Sector, using Angular 6, so that end users could get access to a variety of financial indicators in a convenient way, thus improving the quality of provided services.

Responsibilities:
- Interacted with the business team to understand the requirements for enhancements.
- Develop widgets for the User Interface of a Web application (and related UIs).
- Fixing bugs and implementing Unit Tests.
- Implement responsive layouts (mainly with Bootstrap) and creating views, controllers (business logic) and styling, among other things.
- Versioning code with Git and creating/updating documentation in Confluence.
- I worked with basic Kendo UI widgets for Angular.
- I also worked in internal projects, using design tools like Sketch and in the definition of the scenarios and personas for the application.

Environment: Angular 5, Angular CLI, HTML5, KendoUI, TypeScript, CSS3/SASS, NodeJS, NPM, JIRA, Confluence, and the Jasmine Framework.

Luxoft de México   **May '2018 – Aug '2018**
Software Engineer

Business Need & Responsibility: Building UI components for the interface of the Expedia travel application, using HTML5, and maintenance of the portal.

Responsibilities:

- Interacted with the business team to understand the requirements for enhancements.
- Develop widgets for the User Interface of a Web application (and related UIs).
- Fixing bugs, and creating Unit Tests.
- Implement responsive layouts (mainly with Bootstrap) and creating views, controllers (business logic) and styling, among other things.
- Versioning code with Git and creating/updating documentation in Confluence.
- Worked under SCUM methodology
- Estimating times and efforts to provide release date and milestones.

Environment: Angular 5, Angular CLI, HTML5, Sketch, KendoUI, TypeScript, CSS3/SASS, NodeJS, NPM, JIRA, Confluence, and the Jasmine Framework, Lodash.

Clarity HR (Techgenies)   **March '2018 – Apr '2018**
JavaScript Developer
Project: Human Resources Project

Business Need & Responsibility: Worked developing a Single Page Application for an international Company in the Human Resources sector, using the AngularJS framework, JavaScript and NodeJS.

Responsibilities:

- Interacted with the business team to understand the requirements for enhancements.
- Develop widgets for the User Interface of a Web application, mainly using ReactJS.
- Fixing bugs and creating Unit Tests.
- Implement responsive layouts (mainly with Bootstrap) and creating views, controllers (business logic) and styling, among other things.
- Versioning code with Git and creating/updating documentation in Confluence.

- Ticket tracking with JIRA.
- Creating backend Endpoints with NodeJS and ExpressJS.
- Backend Persistence with MongoDB and Mongoose.
- Helping new joiners with onboarding and coaching.

Environment: ES6, ReactJs, HTML5, SASS, Enzyme, Jest, NodeJS, NPM, MongoDB, Mongoose, JIRA, Confluence, RESTful, ExpressJS, Superagent, RxJS, Fetch API, Lodash, Sketch.

Administradora Lender (NEORIS)   **Feb '2018 – May '2018**
JavaScript Developer
Project: CEMEX Web Site

Business Need & Responsibility: Worked developing a Single Page Application for the CEMEX web site, using the AngularJS framework, JavaScript and NodeJS.

Responsibilities:

- Interacted with the business team to understand the requirements for enhancements.
- Develop widgets for the User Interface of a Web application, mainly using ReactJS.
- Fixing bugs and creating Unit Tests.
- Implement responsive layouts (mainly with Bootstrap) and creating views, controllers (business logic) and styling, among other things.
- Versioning code with Git and creating/updating documentation in Confluence.
- Ticket tracking with JIRA.
- Creating backend Endpoints with NodeJS and ExpressJS.
- Backend Persistence with MongoDB and Mongoose.
- Helping new joiners with onboarding and coaching.

Environment: ES6, ReactJs, HTML5, SASS, Enzyme, Jest, NodeJS, NPM, MongoDB, Mongoose, JIRA, Confluence, RESTful, ExpressJS, Fetch API, Lodash, Sketch.

Unosquare (CRISIB)   **Jul '2017 – Jan '2018**
JavaScript Developer
Project: Foundation Medicine

Business Need & Responsibility: Worked developing a Single Page Application for an international Company in the Health sector, improving the Foundation Medicine website so that clinical doctors could be able to grasp the required information in a convenient way.

Responsibilities:

- Interacted with the business team to understand the requirements for enhancements.
- Develop widgets for the User Interface of a Web application, mainly using ReactJS.
- Fixing bugs and creating Unit Tests.
- Implement responsive layouts (mainly with Bootstrap) and creating views, controllers (business logic) and styling, among other things.
- Versioning code with Git and creating/updating documentation in Confluence.
- Ticket tracking with JIRA.
- Creating backend Endpoints with NodeJS and ExpressJS.
- Backend Persistence with MongoDB and Mongoose.
- Helping new joiners with onboarding and coaching.

Environment: ES6, ReactJs, HTML5, SASS, Enzyme, Jest, NodeJS, NPM, MongoDB, Mongoose, JIRA, Confluence, RESTful, ExpressJS, Superagent, RxJS, MobX, Fetch API, Lodash, Sketch.

Accenture México   **Dec '2016 – Jun '2017**
Senior Front-End Developer
Project: Royal Caribbean

Business Need & Responsibility: Worked in the re-skinning of a Single Page Application for an international Cruises Company. The project was about modernizing Royal Caribbean´s booking site by making it Single Page and responsive.

Responsibilities:

- Applying responsive techniques and helping to improve the User Experience
- Improving the Performance of the application with the help of Angular animations and optimization techniques.
- Building UI widgets using a Component Based Architecture with Angular.js v1.5 and v1.6 and later on Angular 2/4.
- Implementing common Accessibility techniques (according to WCAG 2.0 guidelines);
- Versioning code with Git and GitHub.
- Unit testing of code with Mocha + Chai + Sinon.
- Project documentation in Confluence.
- Team Lead a Bugs Fix Team.
- Use of the JIRA Query Language for ticket tracking and management.
- I had the role of Team Lead of a Distributed development team (17 members) located both in Monterrey and Buenos Aires, Argentina; the team worked on the fixing of Lowest, Low, Medium & High defects.
- Helping onboarding new joiners.

Environment: TypeScript, AngularJS 1.5/2/4, HTML5, SASS, Karma, Mocha, Chai, Sinon, NodeJS, NPM, MongoDB, Mongoose, JIRA, Confluence, RESTful, ExpressJS, Axios, RxJS, Fetch API, JQuery, Bootstrap, Lodash.

Inflection Point   **Nov '2016 – Dec '2016**
Front End Developer
Project: Internal Project

Business Need & Responsibility: Worked developing a Single Page Application for internal projects, using the AngularJS framework, JavaScript and NodeJS.

Responsibilities:

- Interacted with the business team to understand the requirements for enhancements.
- Develop widgets for the User Interface of a Web application, mainly using ReactJS.
- Fixing bugs and creating Unit Tests.
- Implement responsive layouts (mainly with Bootstrap) and creating views, controllers (business logic) and styling, among other things.
- Versioning code with Git and creating/updating documentation in Confluence.

- Ticket tracking with JIRA.
- Creating backend Endpoints with NodeJS and ExpressJS.
- Backend Persistence with MongoDB and Mongoose.
- Helping new joiners with onboarding and coaching.

Environment: ES6, ReactJs, HTML5, SASS, Enzyme, Jest, NodeJS, NPM, MongoDB, Mongoose, JIRA, Confluence, RESTful, ExpressJS, Superagent, RxJS, MobX, Fetch API, Lodash, Sketch.

Softtek   **Aug '2016 – Oct '2016**
Front-End Developer
Project: HR Intenational Hotels Group

Business Need & Responsibility: Developed a single page and responsive web application using the AngularJS framework.

Responsibilities:

- Creating Endpoints with PHP.
- Versioning code with Git and GitHub.
- Unit testing of code with Jasmine.
- Project documentation in Confluence.
- Worked under SCRUM methodology.
- Use of the JIRA Query Language for ticket tracking and management.
- Accessing MySQL database.

Environment: JavaScript, AngularJS 1.4, HTML5, SASS, Jasmine, NodeJS, NPM, PHP, JIRA, Confluence, RESTful, Axios, JQuery, Bootstrap, Lodash, Apache Cordova, SQL.

Implementos Administrativos IMAC   **Aug'2015 – Jun '2016**
Web Developer

Business Need & Responsibility: Developed the website for the company, and this helped the company to gain visibility for their business.

Responsibilities:

- Develop a server-side rendered application with PHP.

- Building UI widgets with HTML5 and CSS.
- Versioning code with Git and GitHub.
- Unit testing of code with Jasmine.
- Manual testing of the Web application
- Accessing MySQL database.

Environment: PHP, MySQL, JavaScript, CSS, Grunt, Git, GitHub.

Universidad Popular de la Chontalpa.   **Sept'2014 – Dec '2014**
Web Developer

Business Need & Responsibility: Developed the website for a public Education Agency, and this helped the organization to digitalize some of its internal processes.

Responsibilities:

- Develop a server-side rendered application with PHP.
- Maintenance and bug fixing.
- Create the data base schema (tables and relationships) to persist the information.
- Building UI widgets with HTML5 and CSS.
- Versioning code with Git and GitHub.
- Manual testing of the Web application
- Accessing MySQL database through PHP.

Environment: HTML4, CSS2, Ajax, JavaScript, PHP, MySQL, JavaScript, CSS, Grunt, Git, GitHub.

EDUCATION & TRAINING:

- B. Sc. in Mathematics – Autonomous University of Tabasco. Year: 2004

- Master's in Management – Institute of University Studies. Puebla, 2012.

   Certifications:

- Microsoft Certified HTML5, CSS and JavaScript. Monterrey, N.L. (April 2016).

- Microsoft Certified HTML5 Application Development Fundamentals. Monterrey, N.L. (June 2016).

- **Trainings & Courses:**

- Udacity Android Developer Nanodegree (In progress). Reinforcing my Android Development skills.

- Udacity iOS Developer Nanodegree (In progress). Reinforcing my iOS Development skills.

- Udacity React Developer Nanodegree (Completed). Reinforcing my React Development skills. Year: 2020

- Udacity Business Analytics Nanodegree (Completed). Learning SQL and visualization techniques using the PostgreSQL database and Tableau. Year: 2020.

- Udacity Android Basics Nanodegree (Completed). Learning the Basics of Android Development with Java. Year: 2020.

- Udacity SQL Nanodegree (Completed). Learning SQL techniques using the PostgreSQL database. Year: 2020.

- AWS Fundamentals: Going Cloud Native (Course Certificate). AWS through the Coursera Platform. January 2019.

- Estadística Aplicada a los Negocios (Course Certificate). Universidad Austral, through the Coursera Platform. July 2018.

- SQL for Data science (Course Certificate). University of California, Davis, through the Coursera Platform. July 2018.

- Diplomacy in the Modern World (Course Certificate). University of London, through the Coursera Platform. July 2018.

- Java for Android (Course Certificate). Vanderbilt University, through the Coursera Platform. May 2018.

- Fundamentos de Android (Course Certificate). UNAM, through the Coursera Platform. March 2018.

- Desarrollo de Aplicaciones con Android (Course Certificate). UNAM, through the Coursera Platform. April 2018.

- Programando con Java para Aplicaciones Android (Course Certificate). UNAM, through the Coursera Platform. October 2017.

- Introduction to User Experience Design Verified Certificate. Georgia Institute of Technology, through the Coursera Platform. December, 2016.

- HTML5 Fundamentals - from W3C at EdX Platform (May 2016).

- Introduction to Java Programming (Statement of Accomplishment). Universidad Carlos III de Madrid, through the EdX Platform. July, 2015.

- Introduction to Java Programming II (Statement of Accomplishment). Hong Kong University of Science and Technology, through the EdX Platform. July 2015.

- Introduction to Java Programming I (Statement of Accomplishment). Hong Kong University of Science and Technology, through the EdX Platform. May 2015.

- Programming with C# (Statement of Accomplishment). Microsoft Virtual Academy, through the EdX Platform. May 2015).

- Android: Introducción a la Programación (Statement of Accomplishment). Universidad de Pennsylvania, through the EdX Platform. June 2015.

- An Introduction to American Law (Statement of Accomplishment with Distinction). University of Pennsylvania, through the Coursera Platform. April 2015.

- MongoDB for NodeJS Developers (Statement of Accomplishment). MongoDB University. February 2015.

- Data Scientist Toolbox (Statement of Accomplishment). Universidad de Pennsylvania, through the Coursera Platform. January 2015.

- MongoDB for DBAs (Statement of Accomplishment). MongoDB University. December 2014.

- MongoDB for Developers (Statement of Accomplishment). MongoDB University. August 2014.

- Statistics: Making Sense of Data (Statement of Accomplishment). Toronto University, through the Coursera Platform. June 2013.

- An Introduction to Interactive Programming in Python (Statement of Accomplishment). Rice University, through the Coursera Platform. June 2013.