DIEGO COSTANTINO

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EXPERIENCE

SOFTWARE ENGINEER, AMAZON WEB SERVICES — 10/2018 - PRESENT

- AWS Amplify iOS - https://github.com/aws-amplify/amplify-ios
  - designed and developed amplify-xcode, integration of the Amplify toolchain with Xcode
  - developed multi-authentication system in Amplify DataStore for iOS
  - developed Amplify DataStore and API categories integration with AWS AppSync Lambda Authorizer authentication mode
  - designed and developed support for custom primary keys in Amplify DataStore

- Amazon Honeycode - https://www.honeycode.aws
  - developed the mobile runtime framework
  - designed and executed performance improvement plan that decreased application startup time of 32% by reducing the bundle size, lazy loading secondary components and executing API calls in parallel

SOFTWARE ENGINEER, AMAZON — 09/2017 - 09/2018

- Amazon LiveCode
  - developed the event-based infrastructure for real-time database sync used to avoid downtime during the service migration
  - improved time to render, stability and scalability of the online collaborative text editor used for conducting software engineers interviews
  - developed the scheduled health-check probe and dashboard to monitor system availability
  - developed the foundation of the web service used for managing large scale hiring events

SOFTWARE ENGINEER, ARREEBA(RISTORANTI.IT) — 02/2016 - 08/2017

- Mobile application framework
  - implemented the core of the iOS and Android application, which powers the ~100 mobile iOS/Android applications part of the ristoranti.it network

- Mobile store merchant app
  - implemented the React Native app for merchants of the ristoranti.it network and its native interfaces to bluetooth, network and USB printers

- Ristoranti CLI
  - developed the internal CLI, which automates the production and publishing of new iOS/Android applications

FRONTEND ENGINEER, GROMIA — 11/2015 - 02/2016

- Web application
  - redesigned and implemented the messaging platform, improved messages loading time
  - refactored the codebase to ES6 and supported the transition of the build system to Gulp and SystemJS
  - developed the tenants management, fast booking and new listing sections; improved UX

JAVASCRIPT CONSULTANT — 02/2014 - 09/2015

- Freelance JavaScript consultant for small companies and startups: OpenCreativity, California Bakery, EyeOnPlay, Abaweb Treuhand, LUZ

SOFTWARE ENGINEER, RED RELEVANT — 05/2013 - 01/2014

- developed the prototype of a social mobile app based on geolocation based on NodeJS and Socket.IO

UI ENGINEER, MUTADO — 06/2011-01/2013

- developed a UI framework (HTML5 / JavaScript) for DeAgostini Publishing, to enable editors to freely compose interactive courses for educational iOS/Android applications
- developed the publishing framework (HTML5 / JavaScript) for the DeAgostini iOS/Android application "How My Body Works"
- developed the web components of Stereomood hybrid iOS/Android application
- developed the publishing framework (HTML5 / JavaScript) for the DeAgostini English Course iOS/Android application

EDUCATION

UNIVERSITY OF MILAN — BS IN COMPUTER SCIENCE, 2015

- Coursework: Algorithms and Data Structure, Software Engineering, Programming Languages, Digital Image Processing, Functional Programming, Formal Languages, Principles of Programming, Operating Systems
- Thesis: UnimiPlaces - Design and Development of an Android Mobile Application for University of Milan

LANGUAGES AND TECHNOLOGIES

- Swift, TypeScript, Python, Java (Android), Objective-C
- iOS, React, React Native
- Xcode, Android Studio