ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS

INTERNSHIP REPORT

Comparison of ReactJs and Angular

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List of Abbreviations

Part I Internship Report

Introduction

As part of my Bachelor degree, I did an internship for three months in Beat, a company that started as a Greek startup about 5 years ago. From March 18th 2019 till June 18th 2019, I contributed as a Software Developer intern in several projects that was referred to a product named "BeatHotels".

1.1 Company Description

1.2 Internship Goal

As regards, this internship's goal is gaining experience as a Software Developer, learning tools like React and Redux and understanding how an application works in production mode. Learning how to code in Javascript and improving web site for BeatHotel's agents, and creating npm packages were my main responsibilities as an intern.

1.3 Report's Structure

The internship's report is an overview of what I have been interacted with during my internship, analyzing the projects and results, skills that I have gained or used, and my role as an intern in general.

Basic Characteristics

In the following section I will describe the basic characteristics of the company's structure and my role as an intern.

- 2.1 Department
- 2.2 My Role
- 2.3 Skills
- 2.4 Results

Projects/Activities

- 3.1 Introduction
- 3.2 Project 1
- 3.3 Project 2
- 3.4 Project 3
- **3.5 Project 4**

Results

- **4.1** Project 1
- 4.1.1 Description
- 4.1.2 Best Practices
- 4.1.3 Schedule
- 4.1.4 Problems occurred
- 4.2 Project 2
- 4.2.1 Description
- **4.2.2** Best Practices
- 4.2.3 Schedule
- 4.2.4 Problems occurred

Updated Time Management

- 5.1 Time Schedule
- 5.2 Gantt Chart

Skills

Part II

Thesis

Introduction

- 1.1 Definition
- 1.2 Research Goal
- 1.3 Thesis's Structure

Background

- 2.1 Three-layer Architecture
- 2.1.1 Front-End
- 2.1.2 Back-End
- 2.1.3 What is Rest Api?
- 2.2 How to build a web site?
- 2.3 What is Rest Api?

ReactJS

- 3.1 Definition
- 3.2 History
- 3.3 Notable Features
- 3.3.1 Stateful Components
- 3.3.2 JSX
- 3.3.3 Architecture Beyond HTML
- 3.4 Case Study

Angular

- 4.1 Definition
- 4.2 History
- 4.3 Typescript
- 4.4 MVC Architecture
- 4.4.1 Model
- 4.4.2 View
- 4.4.3 Controller
- 4.5 Case Study

Conclusion

5.1 Future Work