



## SHAHJALAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

Institute of Information and Communication  
Technology

**SWE 420**

### **Report of Internship**

Submitted By:

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Performed At:

**Kaz Software**

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Date of Submission: 26 June, 2022

# **Letter of Transmittal**

July 16, 2022

The Director

Institute of Information and Communication Technology  
Shahjalal University of Science and Technology  
Sylhet, Bangladesh

Dear Sir,

I am very much delighted to submit a report as a part of my internship program. I am so thankful to the Institute of Information and Communication Technology, SUST for giving me the opportunity to connect my academic knowledge with the latest software development trends in a renowned software industry and to gather great industry experience.

I have been working as an intern at Kaz Software as a part of our course SWE 420, starting from September 1, 2021, to February 28, 2022. This report is based on my learning and experience during my internship time period. And this report covers the technical skills I developed during my internship program as well as my project participation, skill acquisition, and other improvements and issues.

I believe this report will be able to summarize the overall outcome of my internship course. I will be grateful if you accept my report, and your consideration will be highly appreciated.

Sincerely yours,



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Shakirul Hasan Khan  
Registration No: 2017831034  
Department of Software Engineering  
Institute of Information and Communication Technology  
Shahjalal University of Science and Technology

# Letter of Endorsement

To whom it may concern

**Subject:** Approval of the report

This is to certify that all the information mentioned in the report is accurate and not confidential to the company. Shakirul Hasan Khan had direct involvement in the projects mentioned in the report.

I personally went through and examined every page of the report, and I was unable to locate any information that contravened the organization's privacy policies.

I therefore declare the report to be true and give Shakirul Hasan Khan my best wishes for a prosperous future.

---

Shawal Siddique Shaon  
Chief Technology Officer  
Kaz Software

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Md. Hannan Hossain  
Principal Software Engineer  
Kaz Software

# Acknowledgement

I am excited to share this report about my internship experience at Kaz Software. I want to express my sincere gratitude to the Institute of Information and Communication Technology, SUST, for providing an opportunity for my internship. I also want to express my regards to Kaz Software for the support and the opportunity to work with a great team.

I'd like to offer my heartfelt appreciation to **Prof M. Jahirul Islam**, Director, Institute of Information and Communication Technology, SUST as well as to my honorable teachers.

I would like to thank **Shawal Siddique Shaon**, CTO of Kaz Software, for his guidance and support throughout the internship period. I would also like to thank my mentors, **Md. Hannan Hossain** (Principal Software Engineer) and **Biswajit Panday** (Senior Software Engineer), who trained and guided me in my internship journey.

I want to take this opportunity to thank **Ibrahim Khan Arshad** (currently working as a software engineer at Cefalo Bangladesh Ltd.) for his kind assistance and support. Finally, I want to express my gratitude to my team members, my fellow interns, and every member of Kaz Software for making my internship experience a memorable one.

# **Executive Summary**

This report serves up the purpose of a summary of the work that I undertook as well as my experience during my internship period which was conducted on Kaz Software.

# Contents

<b>1</b>	<b>Introduction</b>	<b>7</b>
1.1	Objective . . . . .	7
1.2	Scope . . . . .	8
1.3	Sources of Information . . . . .	8
1.4	Limitations . . . . .	8
<b>2</b>	<b>Company Profile</b>	<b>9</b>
2.1	Company Overview . . . . .	9
2.2	Management . . . . .	9
2.2.1	Founder and CEO . . . . .	10
2.2.2	CTO . . . . .	10
2.2.3	Adviser . . . . .	10
2.3	Services . . . . .	10
2.3.1	Ideation, Graphics and Interaction Design . . . . .	10
2.3.2	Software Development . . . . .	11
2.3.3	Quality Assurance . . . . .	12
2.3.4	Data, Content and Research . . . . .	12
2.4	Human Resource . . . . .	13
2.5	Facilities for Employees . . . . .	13
2.5.1	Friendly Environment . . . . .	13
2.5.2	Vacation and Optional WFH . . . . .	13
2.5.3	Bonuses and Increment . . . . .	13
2.5.4	Lunch and Snacks . . . . .	14
2.5.5	Recreation . . . . .	14
2.5.6	Indoor and Outdoor Games . . . . .	14
2.5.7	Seminars and Training . . . . .	14
2.6	Teams . . . . .	15
2.7	Tools and Technologies . . . . .	15
2.8	Clients . . . . .	15
2.9	Helping The Community . . . . .	16
2.10	Location and Office Structure . . . . .	16
2.11	Achievements . . . . .	16
<b>3</b>	<b>Personal Experience</b>	<b>17</b>
3.1	Interview . . . . .	17
3.2	Team Artisan . . . . .	17
3.2.1	Members . . . . .	17
3.2.2	Office Hours . . . . .	18
3.2.3	Scrum . . . . .	18

3.2.4	CTO Meeting . . . . .	18
3.2.5	Fine Driven Development . . . . .	18
3.3	Pair Programming and Collaboration . . . . .	19
<b>4</b>	<b>Project Involvement</b>	<b>20</b>
4.1	Electronic Visit Verification . . . . .	20
4.1.1	Project Overview . . . . .	20
4.1.2	Functionalities . . . . .	21
4.1.3	Tools and Technologies . . . . .	21
4.1.4	My Involvement . . . . .	21
4.1.5	Project Preview . . . . .	22
4.2	Regulatory Analytics . . . . .	23
4.2.1	Project Overview . . . . .	23
4.2.2	Tools and Technologies . . . . .	23
<b>5</b>	<b>Professional Growth</b>	<b>24</b>
5.1	Technical Aspects . . . . .	24
5.1.1	TypeScript . . . . .	24
5.1.2	ReactJS . . . . .	24
5.1.3	Redux . . . . .	24
5.1.4	Git . . . . .	25
5.1.5	Visual Studio Code . . . . .	25
5.1.6	Others . . . . .	25
5.2	Non Technical Aspects . . . . .	25
5.2.1	Code Quality . . . . .	25
5.2.2	Professionalism . . . . .	25
5.2.3	Team Work . . . . .	26
5.2.4	Punctuality . . . . .	26
5.2.5	Communication . . . . .	26
5.2.6	Planning . . . . .	26
5.2.7	Knowledge Sharing . . . . .	26
<b>6</b>	<b>Conclusion</b>	<b>27</b>
<b>A</b>	<b>Appendix A</b>	<b>28</b>

# **Chapter 1**

## **Introduction**

An internship is a professional learning experience that offers meaningful, practical work related to a student's field of study or career interest. An internship gives a student the opportunity for career exploration and development, and to learn new skills. It offers the employer the opportunity to bring new ideas and energy into the workplace, develop talent and potentially build a pipeline for future full-time employees. Internships are usually offered part-time if it is during a university semester, or full-time if it is during a vacation. And in most of the cases, the internship is paid.

Institute of Information and Communication Technology, SUST always emphasizes industry knowledge on academic study. And to give students actual industry experience, IICT provides the opportunity to their students of Department of Software Engineering to work as an intern for six-months in a renowned software company as a part of their academic curriculum in the 7th semester. This opportunity helps to add a great value to personal qualification and experiences of their students.

The company I was sent to for my internship is Kaz Software. It is one of the most experienced software company in Bangladesh. Kaz Software have been successfully operating for more than 18 years.

### **1.1 Objective**

This report is prepared as a requirement of the course SWE 420 at the Department of Software Engineering, Institute of Information and Communication Technology, SUST.

My accomplishments, learning, professional development, achievements, and overall industrial experience from my internship are all included in this document.

If permitted, this paper will also be accessible to other students who will later serve as interns. in order for them to determine whether Kaz Software is a good fit for them.

## **1.2 Scope**

The main scopes of this document are:

1. Work environment and culture of Kaz Software
2. Experiences I faced as an intern of Kaz Software
3. Projects I have worked on during my internship
4. The training and guidance I received
5. My professional and technical growth
6. Description of the technologies I used during my internship
7. And my opinion on this internship

Everything is discussed in this document without violating the confidentiality of the company.

## **1.3 Sources of Information**

All of the information reported in this document is true and authentic. Executives of Kaz Software confirm the accuracy and privacy of the company-related information.

This document contains both technical and theoretical information. Because of this, some information has been pulled from different sources; the URLs to those websites are provided at the end of this report so that the reader can manually verify any external information if they have any doubt.

## **1.4 Limitations**

There are some drawbacks to this report. It's not possible to publicly discuss everything I did while I was an intern. This document was checked numerous times by an executive from my company before being submitted. Additionally, certain information was left out of those reviews because it belongs to Kaz Software and is private. This means that this document is not flawless.

# **Chapter 2**

# **Company Profile**

The traditions and culture of Kaz Software are discussed in this chapter. Each section gives an overview of Kaz Software, how it functions, the services it offers, the technology it uses, its important features, the setting, and the activities people engage in for amusement.

## **2.1 Company Overview**

Kaz Software is one of the best and most experienced software company in Bangladesh. It started as a start-up software outsourcing company in 2004 and became a limited company in 2005 and continued to develop year after year. Typically Kaz Software builds software for the clients, but sometime they would be doing something completely different like researching business data or setting up their firewall. Kaz Software has some really talented engineers, designers, and content specialists to give it's clients a well built software.



## **2.2 Management**

An organization will not be able to operate for more than 18 years, if it does not have experienced and passionate people in the leadership roles.

### **2.2.1 Wahid Choudhury (Founder and CEO)**

Wahid has more than 20 years of experience in software development. He is the founder and leader of several software companies in diverse industries such as regulatory compliance, eCommerce, legal services and computer games. Wahid has an exceptional technical background, as well as the advantage of having worked with dozens of start-ups during all stages of their technical and business development. He founded his first software company, Kaz Software, in 2004.

### **2.2.2 Shawal Siddique (CTO)**

Shawal is a technology leader and has more than 15 years of experience in software development space. His strength in technical project is over a wide range of projects in device drivers, enterprise web applications and mobile apps using technologies such as Asp.NET, Asp.NET Core, .NET Core, Xamarin, Angular, Aurelia, Angular JS, Knockout JS, Node JS, Azure and AWS.

### **2.2.3 Hafiz Choudhury (Adviser)**

Hafiz is an international tax consultant and entrepreneur. He works with major multinationals on tax policy and business strategy issues; he also advises governments on tax policy and administration through his consulting firm, The M Group, Inc.

## **2.3 Services**

Kaz Software offers software development and content management services to international customers across multiple industries. Kaz understands the challenges that its customers face within and across these industries. Kaz provides practical, pragmatic and powerful solutions to address those challenges.



The services of Kaz Software covers every step of software development, from ideation to delivery.

### **2.3.1 Ideation, Graphics and Interaction Design**

The design team in Kaz software helps the clients through the digital design and strategy maze. They work through every stages of a project with the client and keep brainstorming and create mockups, demos and presentations. And during interaction design, Kaz Software always prefer to create the simplest solution.

### **2.3.2 Software Development**

Teams at Kaz Software help our customers build customized software - everything from web to desktop to enterprise to mobile and beyond. They have been building softwares for various industries since 2004 and worked with many technology platforms and have collaborated with many teams over these years.

Kazians have worked on web applications, created desktop applications, and built numerous mobile applications. Some of things that they have built:

1. Social app with localization
2. Desktop based tax optimization tool
3. Corporate data management application
4. Document repository
5. Database driven file system
6. Content rich web application
7. LDAP management tool
8. iPhone/Android/Windows mobile applications
9. Online holiday management tool
10. Location content service
11. Location based social app platform
12. Flex based visio like diagramming tool
13. Desktop based diagramming and layouting tool.
14. Symbian application
15. VoIP billing solution
16. Mobile content solution
17. Stock trading portal
18. International trade research and management tool

Kazians don't specialize in particular technologies, but they are definitely proficient in a wide array of tools and systems. Every product is unique, and they try to fit the right skills for that particular product.

### **2.3.3 Quality Assurance**

Integrated quality assurance approach of Kaz Software incorporates aspects of agile and lean development with the stability and reliability of traditional SQA process. They believe software quality assurance is only possible with a mixed set of procedures which should involve all members of the team collaborating with a dedicated team of SQA professionals. Because of their involvement with all kinds of projects their SQA teams are exposed to a variety of technology and business domains. Types of testing services Kaz Software provides:

1. Product testing
2. Performance and Load testing
3. Content Validation Testing

### **2.3.4 Data, Content and Research**

Kazian research teams have researched, compiled and maintained content in diverse fields and for a variety of applications. The research team is supported by our data specialists who leverage technology to optimize data gathering and ensure that the data is stored and managed efficiently. Services provided on this area by Kaz Software:

#### **Research**

1. Research and compile information
2. Categorize existing content
3. Meta tag content
4. Search and collect publicly available documents
5. Professional domain based translation of information
6. Statistical and economic analysis
7. News gathering and summarizing

#### **Create and Maintain**

1. Write, edit, proof read content
2. Maintain content in blogs, CMS or other systems
3. Translate existing content
4. Create and maintain structured content like spreadsheets
5. Maintain newsletters/news services

## **Data Services**

1. Transformation of existing data to and from various formats such as csv, xml, etc.
2. Extracting data from unstructured or structured sources
3. "Cleaning" data by removing errors, unwanted information etc.
4. Storage solutions - Databases, XML, flat file

## **2.4 Human Resource**

Kaz has 110+ employees at this moment and they are planning to recruit more. Since the beginning, Kaz has grown in numbers of resources and production every year. Kaz doesn't hire developers, designers or QA engineers. Kaz hires people who solve problems. And it hires only the best. Kaz runs regular training and review sessions to keep it on the top.

## **2.5 Facilities for Employees**

Kaz Software always keeps the happiness of their employees at the top priority. As a result they provide a lot of facilities to keep the Kazians happy.

### **2.5.1 Friendly Environment**

Kaz Software is like one big Family. Work is fun here. The work environment here is friendly, informal, fun and knowledge oriented. Chain of command is not followed here. Employees consider the company to be their own responsibility.

### **2.5.2 Vacation and Optional WFH**

Kaz Software provides 17 days of paid vacation per year. A Kazian can take a full day or half day leave anytime, until it exceeds total of 17 days per year.

Another great initiative by Kaz Software is an employee can either go to office or work from home, it's up to them. And any kind of technical support will be provided no matter where you are, home or office. Although working from office is more fun because of the friendly environment.

### **2.5.3 Bonuses and Increment**

Kaz Software does not provide any festival bonus. But they provide a bonus equal to the salary of a employee after every anniversary of their joining and they get a increment of 10 to 15 percent of their current salary. This may vary according to an employee's performance.

#### **2.5.4 Lunch and Snacks**

Kaz Software does not provide any lunch or snacks except tea and coffee. An employee can go and make their own tea or coffee or ask a Shoinik to make them one.

#### **2.5.5 Recreation**

Kaz has different ways for recreation of employees. Release parties, picnics, 'Hudai party', and outings are part of it. Every year in December Kaz organizes their anniversary party. Which is either taking all of the employees for an international trip, or a 7 to 10 days trip inside Bangladesh. And this is fully paid by the office. In spite of being an intern, I received all these facilities and consider myself lucky.



#### **2.5.6 Indoor and Outdoor Games**

Almost every Kazian is a cricket lover. They play short-pitch cricket every working day after lunch, in the office premises. There is a table tennis board in the ground floor and Kazians can play anytime they want.

Images Goes Here

#### **2.5.7 Seminars and Training**

Kaz Software sometimes arrange seminars and training sessions for their employee when a new technology emerges or the employee ask for one. Recently a four day session and exam was taken by Shawal Siddique (CTO, Kaz Software) on Micro-services and Micro-frontend.

## Images Goes Here

## 2.6 Teams

Kaz Software has more than 10 teams. Each team work differently probably using different tools and technologies. Their clients gets a team of their own. The team adapts to the working process of the client. Each team has their own rules and regulations.

I was a member of Team Artisan. More about this team later on personal experience section.

## 2.7 Tools and Technologies

Kaz Software is not specialized or stuck within specific tools and technologies. They try to keep up with rapidly changing technology trend. And they always try to use technology that will be best for any particular project. Following these are some of the used tools and technologies:

.NET World	ADO.NET EF, ASP.NET MVC, WCF, Silverlight, LINQ, LINQ To SQL, PRISM, Microsoft Enterprise Library, Sorry, Nhibernate, Sprint.Net, MEF/Unity, Sharepoint, Spring.net, WPF
Java World	JSP, JSF, JPA, Hibernate, CDI, JAX-RS, RESTEasy, Spring, Seam, Maven, GWT, Wicket
Javascript World	jQuery, jQuery UI, Node.js, ReactJS, AngularJS, Ext JS, Knockout.js, Redux, RequireJS, jQuery Mobile
World of Web	HTML5, CSS3, CSS2
Python World	Django, South, Celery, Tornado
Servers Etc.	JBoss AS, Tomcat, Nginx, IIS, Endeca, Jitsi
Third Party Frameworks	Selenium Webdriver, Various PDF frameworks, Various control libraries, OCR SDKs, CrystalReports, WebRTC
Cloud	Amazon AWS, S3, Rackspace, Heroku, Microsoft Azure
Mobile Space	Objective-C, Cocoa, Cocos2d, Titanium, Phonegap, jQuery Mobile, HTML5, Android, Windows Mobile
Database and NoSQL	MS SQL Server, MySQL, MongoDB, Couchbase, Neo4j

## 2.8 Clients

Kaz Software is a outsourcing company. Kaz has built or enhanced more than 150 software projects for more than 100 companies around the world, from

startups to Fortune500, in more than 18 years. Some of the renowned clients are:

1. The World Bank
2. Unicef
3. রাবি
4. Japan Tobacco International
5. Thomson Reuters
6. Aarong
7. QFC
8. Global Blue
9. Swisscontact etc.
10. World Vision

## **2.9 Helping The Community**

Kaz is involved with many efforts in helping the community around us. One of its big long term project is a partnership with an organization called “Prothom Shurjo” that helps street children in the area near us by arranging education, food and shelter for them. They also run various training programs for them to teach them skills that they can use.

## **2.10 Location and Office Structure**

Kaz Software office is located at **35/5, Shantinagar, Dhaka**. The office consists of ground, first and third floor. There are a table tennis room, dining room, prayer room, conference room in the ground floor. Rooms in the first and third floors are given to different teams. There is a kitchen in the first floor.

## **2.11 Achievements**

Kaz Software celebrated their 18th birthday this year. They achieved a lot over these years including Basis Outsourcing Award 2020, GoodFirms Top Web Development Company and GoodFirms Top Software Development Company etc.

## **Chapter 3**

# **Personal Experience**

From interview to the end of my internship and beyond, I passed a great time at Kaz Software. In this chapter, I'll go through those experiences.

### **3.1 Interview**

I had a phone interview with Shawal Siddique (CTO, Kaz Software). It was not a formal interview. He called and asked me questions about in what technology I worked on, questions about ReactJS, how I like my work environment etc. He confirmed my internship in that call.

### **3.2 Team Artisan**

As an intern, I joined the Team Artisan in Kaz Software. It is a team with some talented and friendly members. I worked for six months as an intern in that team, and joined as an Associate Software Engineer later.

#### **3.2.1 Members**

Team Artisan consists of some great members, who are talented, friendly and helpful at the same time. Currently there are nine members, including me, in Team Artisan.

1. Md. Hannan Hussain (Team Lead, Principle Software Engineer)
2. Biswajit Pandey (Senior Software Engineer)
3. Ashiqur Rahman Rijvy (Software Engineer)
4. Mohammed Jubayer (Software Engineer)
5. Tulshi Das (Associate Software Engineer)
6. Saikat Sen (Associate Software Engineer)
7. Souhardya Saha (Associate Software Engineer)
8. Siana Rizwan (Intern)

Four more ex-members of the team I must mention are:

1. Ibrahim Khan Arshad (currently working as a software engineer at Cefalo Bangladesh Ltd.)
2. Md. Masum (changed team)
3. Abdullah-Al Foysal (changed team after internship period)
4. Abdullah-Al Jahid (was an intern too, and his internship period is over)

## Images Goes Here

### **3.2.2 Office Hours**

Kaz has different office hours for different teams. Team can choose office hours according to their ease. But each team should work for 8 hours, 5 days a week with one hour of lunch break at 2:00 PM. Team Artisan starts working at 11:00 AM and ends at 7:00 PM.

### **3.2.3 Scrum**

Each working day at 11:00 AM, all of the members of Team Artisan have a scrum meeting. Every member must join the meeting unless they are on leave. In this scrum meeting members discuss:

1. What did they do the last day
2. What will they work on today
3. Issues and blockers they are facing

### **3.2.4 CTO Meeting**

On Tuesday 3:00 PM of every first full week of a month the members of Team Artisan have a meeting with the CTO. In this meeting they discuss about the progress of the projects the team currently working on, the wellbeing of the member and the members' real life events. Every member of the team must join this meeting.

### **3.2.5 Fine Driven Development**

FDD is a fun terminology, but it is strictly followed in Team Artisan. There is a fine if a member misses the scrum meeting or CTO meeting. There is fine for committing code with silly mistake or deploy a buggy code to the production. And there is a rule book for the team, and if a member break any rule, s/he might get a fine. There is also a fee for a Kazian when s/he joins or leave the team. The fine amount is small and the fund created from these fines are used for recreation of the team, like a party or a tour.

### **3.3 Pair Programming and Collaboration**

Pair programming is an agile software development technique in which two programmers work together at one workstation. One, the driver, types in code while the other, the observer (or navigator), reviews each line of code as it is typed in. The two programmers switch roles frequently.

From the second day of my internship I started pair programming with Ibrahim Khan Arshad bhai and Md Masum bhai. As I was new to the Orbitax ecosystem, I always had a lot of questions. Therefore, I could clear my confusion while talking with the seniors and gain knowledge about the platform. And later when Abdullah-Al Jahid and Siana Rizwan joined Team Artisan, we started pair programming as we worked on the same project.

While working as a pair, we used to work in a way, when my partner was typing I was assisting him, giving him ideas and checking for mistakes; when I was typing my partner was giving me instructions. It is easier to find bugs and corner cases during development and write efficient code when two or more people write code together.

The best thing about Kaz Software is, people here never hesitates to ask for help. Whenever I got stuck, could not understand a legacy code or had trouble understanding what to do, I asked for help from my seniors. No matter whatever the problem was, they always helped me and this made my internship period a lot smoother.

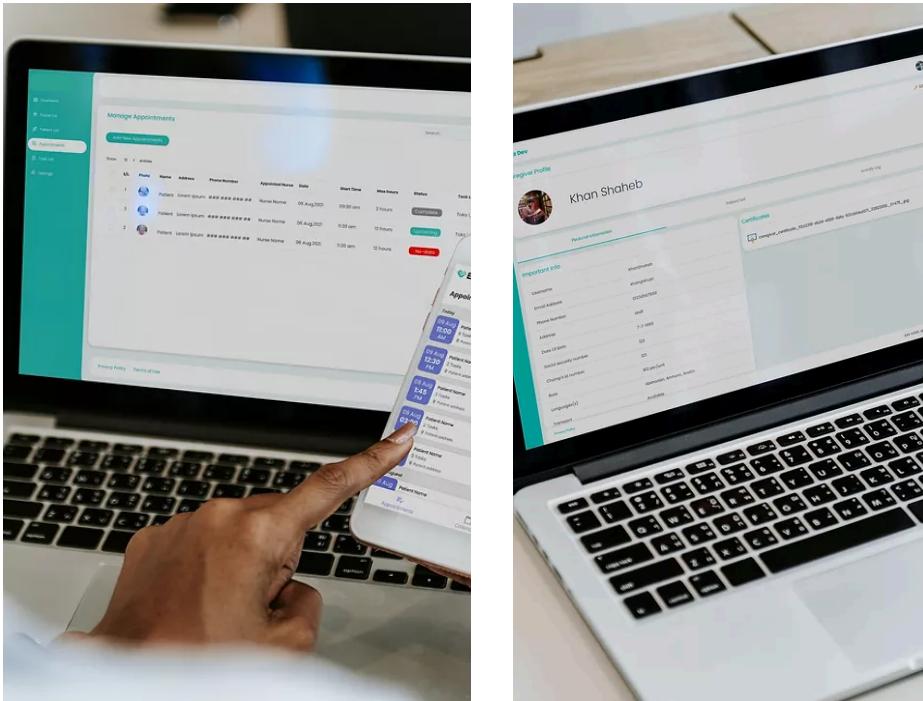
I tried to help others too. As for using ReactJS for a long time for web development, I was able to help my fellow interns and even my seniors who had confusion about ReactJS. Although every team of Kaz Software works separately, anyone can ask for help from anyone from any team.

# Chapter 4

# Project Involvement

## 4.1 Electronic Visit Verification

It was the first project I worked on and spend most of my time on as an intern in Kaz Software. It has both Mobile and Web application. I worked on the web application, on front-end. The design team in Kaz Software made the mock design of the application and I with my teammates brought the design to live.



### 4.1.1 Project Overview

Due to the 21st Century Cures Act, all care visits provided in the home must be verified electronically — no more pen and paper. Each state has unique requirements for electronic visit verification which can cause stress and confusion for providers. This application implement a solution to help the agencies operate more efficiently and advocate for beneficiaries, all while keeping their staff safe.

This application offers the most efficient scheduling and EVV capabilities on the market, saving coordinators time, eliminating errors, and making it easy for caregivers to clock in and out. Using this web-based solution, one can enable more effective workflows across an entire agency environment and automate time-consuming manual tasks.

#### **4.1.2 Functionalities**

This application has built-in scheduling and electronic visit verification. Other system features address HIPAA compliance, documentation, reporting, and billing. Other features of this application are:

1. Capture Documentation at the Point of Service
2. Single-Swipe Check-In or Out on Android and iOS devices
3. Voice or Signature Verification Functionality
4. GPS and Cellular Visit Tracking
5. Electronic Attendance Verification
6. Secure In-Office Messaging
7. Automated Paper Timesheet Processing
8. Live Scheduling View
9. Employee Time and Attendance Management

#### **4.1.3 Tools and Technologies**

Tools and technologies used to develop this application are:

1. **Back-end:** C#, ASP.Net
2. **Front-end:** Typescript, ReactJS, Redux, SWR, Axios, RsuiteJS, Bootstrap
3. **Database:** Amazon DynamoDB
4. **Server:** Amazon S3 Bucket

#### **4.1.4 My Involvement**

From the first day of my internship I started working in this application. At first I started working with Ibrahim Bhai and Masum Bhai on the front end using ReactJS and Typescript. They gave me an overview of the application in the first week and gave me mock design of the application. And I started working right away.

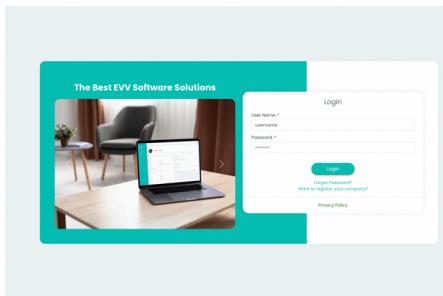
There are two user classes in the front-end web application. One is for Company admin, another is for Super Admin. There is one more user class for the mobile application for Caregivers. In total there were almost 50 pages in the web application and I either designed, implemented, refactored, updated or

reviewed each one of them.

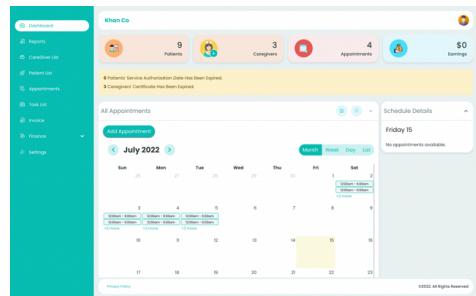
Later both Ibrahim Bhai and Masum Bhai stopped working on the front-end, I started working with Abdullah-Al Jahid and Siana Rizwan, two interns from Dhaka University and Islamic University of Technology respectively. And during the whole time Pandey Bhai along with Tulshi Bhai, Ibrahim Bhai, Souhardya, developed the backend of the application and Abdullah-Al Foysal developed the mobile application.

#### 4.1.5 Project Preview

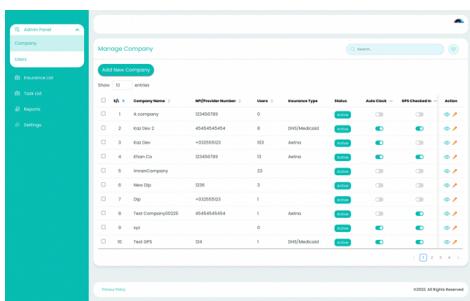
Here are some screenshots of the pages I designed:



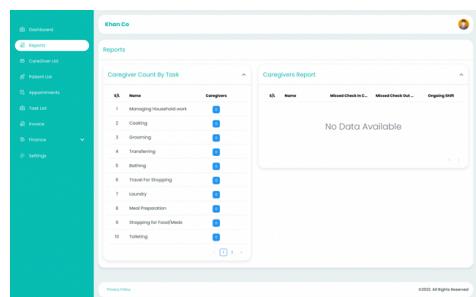
Login Page



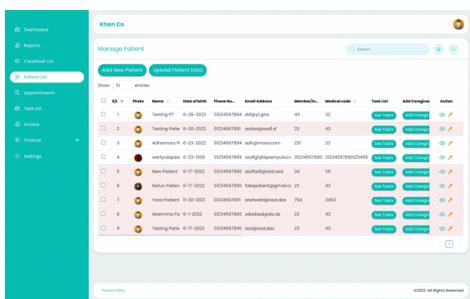
Dashboard



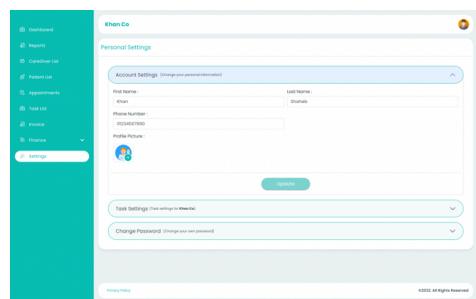
Admin Panel



Reports Page



Patient List



Settings page

The image displays two side-by-side screenshots of a software application's user interface, both titled "Khan Ca".

**Add Caregiver Page:** This page is for adding a new caregiver. It includes fields for First Name, Last Name, User Name (set to "kkk"), Password, Gender (set to "Female"), Phone Number, Email, Social security number, Charge's id number, Category's rate, Address, Available Days (set to "Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday"), Available from (set to "07:00 AM"), Available to (set to "02:00 PM"), and Languages (set to "English"). There are also dropdown menus for "Category" and "Rate". A "Save" button is at the top right, and a "Return without saving" button is at the bottom right.

**Add Patient Page:** This page is for adding a new patient. It includes fields for First Name, Last Name (set to "01-01-2022"), Gender (set to "Female"), Date of birth (set to "01-01-2022"), Phone Number, Email, Address, Emergency Contact Person Name, Emergency Contact Person Phone, Member/Financial id number, Medical code, Service Authorization start date (set to "01-01-2022"), Service Authorization end date (set to "01-01-2022"), Total units (set to "1 unit = 10 minutes"), Per unit cost, and a "Save" button at the top right. A "Return without saving" button is at the bottom right.

Add Caregiver Page

Add Patient Page

## 4.2 Regulatory Analytics

### 4.2.1 Project Overview

### 4.2.2 Tools and Technologies

# **Chapter 5**

## **Professional Growth**

### **5.1 Technical Aspects**

During my internship period I did work in two different projects. Both of the projects used industry standard tools and technologies, that I had a much less knowledge before. In this section I will discuss the tools and technologies I have improved my knowledge on.

#### **5.1.1 Typescript**

TypeScript is a programming language developed and maintained by Microsoft. It is a strict syntactical superset of JavaScript and adds optional static typing to the language. It is designed for the development of large applications and compiles to JavaScript.

I used JavaScript in the projects I developed before my internship. But it is harder to debug Javascript code during development. So I had learn and use TypeScript to write my code during my internship.

#### **5.1.2 ReactJS**

React is a free and open-source front-end JavaScript library for building user interfaces based on UI components. I used ReactJS before my internship too, but I could do it in a professional way following the best practices. During my internship I used to read my seniors' code and understand how they worked. That gave me good insight into how ReactJS works and how to write better code using ReactJS.

#### **5.1.3 Redux**

Redux is an open-source JavaScript library for managing and centralizing application state. It is most commonly used with libraries such as React or Angular for building user interfaces. Although it is a little complex to use, it is a great tool for managing state in a complex application. My seniors guided me through how does it work, I used it with ease.

#### **5.1.4 Git**

Git is software for tracking changes in any set of files, usually used for co-ordinating work among programmers collaboratively developing source code during software development. I used Git before my internship for my personal projects. But during my internship I learned how to use Git in a professional way. I learned about several Git commands that I didn't know of before and sometimes use tools like GMaster, GitLense in VS Code etc to make my work easier.

#### **5.1.5 Visual Studio Code**

Visual Studio Code, also commonly referred to as VS Code, is a open-source IDE. This has features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. I wrote most of my code in Visual Studio Code during my internship period. This tool have made writing code easier and more efficient using the existing features and extension.

#### **5.1.6 Others**

I have learned and used so many new technologies during my internship. Sometimes I had to do research about new technologies like Docker, Kubernetes, Micro-Frontends, Single-SPA, Cypress etc. I did research about how to increase performance of a existing front-end. I also learned how to use Docker to run my projects on a Docker container. I learned about unit and integration testing using Jest and Cypress.

### **5.2 Non Technical Aspects**

The non-technical skills can be acquired by interacting with the others. Some of the non-technical or soft skills I have improved are discussed in this section.

#### **5.2.1 Code Quality**

In Kaz, they always encouraged us to write beautiful and simple code. Kaz follows a great standard of pure software engineering and their product quality is very high. My seniors always reviewed my code, and suggested if it can be better. And I tried to maintain the standard of work from my side.

#### **5.2.2 Professionalism**

Professionalism is the conduct, behavior, and attitude of someone in a work or business environment. It is the way that a person shows respect for the rules and expectations of the organization he or she works for. The environment for universities is very different from the environment for companies. In Kaz, people are quite smart and they always knew what they were doing and talking about. These type of attitudes always persuade me to be aware of what I am doing and encouraged me to learn more about things.

### **5.2.3 Team Work**

In university, we used to build projects in small groups of either two or three people. But during my internship, we had to work in a much larger team. I learned how to work in a big team, communicate with them, help others and get help from them.

### **5.2.4 Punctuality**

Punctuality is a important issue in professional life. In Kaz Software, we had to attend meetings within a certain time to prevent late joining fees. I was always on time to attend the meetings.

### **5.2.5 Communication**

Communication skill is one of the basic skills that is required to perform effectively in a professional environment. In Kaz Software, I learned how to approach people with a clear and concise manner, more importantly how to ask anything or get help.

### **5.2.6 Planning**

Planning is the key to do a job more efficiently. In certain times I had to give a time estimation of a project. That helped me to plan my work more efficiently.

### **5.2.7 Knowledge Sharing**

In Kaz Software, I could ask anything at any point to anyone. Everyone always helped us providing proper content and direction and encouraged me to learn more. And we used to had chat with others inside the team sharing knowledge about something we learned.

## **Chapter 6**

## **Conclusion**

## **Appendix A**

# **Appendix A**

Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetur.

### **Just Testing**

Suspendisse vel felis. Ut lorem lorem, interdum eu, tincidunt sit amet, laoreet vitae, arcu. Aenean faucibus pede eu ante. Praesent enim elit, rutrum at, molestie non, nonummy vel, nisl. Ut lectus eros, malesuada sit amet, fermentum eu, sodales cursus, magna. Donec eu purus. Quisque vehicula, urna sed ultricies auctor, pede lorem egestas dui, et convallis elit erat sed nulla. Donec luctus. Curabitur et nunc. Aliquam dolor odio, commodo pretium, ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.