

Internship Experience @ Progoti Systems Limited.

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Objectives

- ✓ Company Overview
- ✓ Internship Details
 - ✓ Trainings
 - ✓ Projects
 - ✓ Technologies Learned
 - ✓ Tools Used
 - ✓ Testing Process and Approach Learned
 - ✓ Professional Learning
- ✓ Obstacles and Challenges

My Internship Goal

- To become skilled in Technology
- Gather knowledge on Software Industry and their culture
- Create a professional Network

Company Overview



Progoti Systems Limited History

- ✓ Bangladesh, Canada & Japan joint venture company.
- ✓ Main head office at Singapur & licensed as SureCash PTF
- ✓ 2010: Progoti Systems Limited Started Journey at Dhaka.
- ✓ January 2012: Launched SureCash
- ✓ May 2014: Started Countrywide Money Transaction

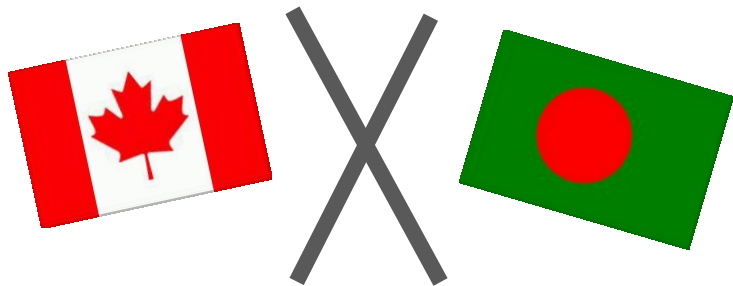


Figure 1: Progoti Systems Limited(MAP)

Vision & Mission

Vision

Build mass banking and payment platform for any person having a mobile phone.

Mission

Become a leading mobile banking and payment services network by connecting people banks and businesses.

Solutions & Services

Solutions

- ✓ SureCash
- ✓ ProFino
- ✓ ProRemit
- ✓ School Portal
- ✓ Android App

Services

- ✓ Mobile Banking
- ✓ Mobile Payment
- ✓ Foreign Remittance
- ✓ School Payment

Findings @ Progoti

Culture & Norms

- ✓ **Non-refundable Facilities**
 - *Lunch & Snacks*
 - *Tea & Coffee*
- ✓ **Recreational Facilities**
 - *Yearly Excursion*
 - *Weekly Tea Party*
- ✓ **Miscellaneous**
 - *Sprint Completion Celebration*
 - *Achievement Celebration*

Company Policies

- ✓ Salary Cutting policy

Internal Communication

- ✓ Skype
- ✓ E-mail

Software Development Methodology

- ✓ Agile Methodology
- ✓ Scrum

Internship Details

Daily Tasks & Activities

- ✓ Checking Mail & Reply
- ✓ Checking Jira

Research & Development Projects

- Interbank Transaction Report
- Multibank Settlement Report
- Sure Cash Month wise Account Opening Report
- Sure Cash Month wise Transaction Report
- Sure Cash Month wise Revenue & Expense Report
- Sure Cash SR Limit Set & Check
- Org-Agent Account Opening Summary
- Org-Agent Account Opening Details
- Scheduled Settlement and Interbank Transaction Report
- Jasper Report Generation

Other Activities

- Testing & Quality Assurance
- Pair programming
- Bug fixing & Support

Technical Skills Acquired

Frameworks: Java

The proposed JDK version is 1.6

For development we have proposed three frameworks-



Spring Framework 3.0.5

Groovy on Grails 2.2.4



Hibernate 3.4

Frameworks: Mobile Platform



Android

Phone Gap



JavaScript

Benefits

- ✓ Provides great user experience
- ✓ Increases the throughput reducing the response time
- ✓ Lessens the overhead of server
- ✓ Control over DOM elements



Figure 6: JavaScript Logo

JQuery

Benefits:

- ✓ Light weight
- ✓ Minimizes the lines of code
- ✓ Increases maintainability
- ✓ Browser Compatibility
- ✓ Faster development
- ✓ Easy to learn



Figure 7: JQuery Logo

Cascading Style Sheet (CSS)

Benefits

- ✓ Styling DOM elements
- ✓ Cascading among styles
- ✓ Reusability of styles

✓ Versions

- ✓ CSS1 – all browsers support
- ✓ CSS2 – most browsers support
- ✓ CSS3 – only few browsers support



Figure 9: CSS Logo

Subversion

Benefits

- ✓ Continuous integration
- ✓ Log of all versions
- ✓ Backward traceability
- ✓ Fastens development process



Figure 11: Apache SVN Logo

IDE and Server



Apache Tomcat 7.0

SQLyog MySQL GUI



NetBeans 7.4

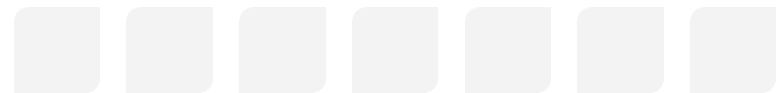
IntelliJ IDEA 12.1.4



Reporting Tools: Jasper Report



iReport 4.8.0



Professional Learning

- ✓ Be respectful to office rules
- ✓ No blame game
- ✓ Do your work yourself
- ✓ Appraisal of work
- ✓ No criticizing
- ✓ Helping others

**Working in
a Corporate
Environment**

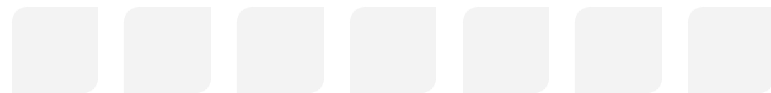
**Learning
new
technologies**

**Experience
of working
in Team**

**Improving
Self-
Confident**

Challenges and Obstacles

- ✓ Learning a lot of new technologies in a short period of time
- ✓ Maintaining coding standard
- ✓ Limited internet access
- ✓ Low configured and defected PC
- ✓ Busy state of my colleagues



Thank you