
CSE 4790 - Industrial Training Report

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I completed my industrial training as Software Engineer Intern at **Nascenia Limited** from November 18, 2019 to January 3, 2020.

About Nascenia Limited

Nascenia is an award winning software company working for European and North American clients. Current office of Nascenia is at **6/14, Block A, Lalmatia, Dhaka, Bangladesh**. Nascenia was founded by Shaer Hasan, Fuad Bin Omar and Fattahul Alam on **2010** with a vision to create a world without problems and sufferings. They created a world-class team of web and mobile application developers. Initially they helped many start-ups and SMEs to solve problems. Soon after starting up Nascenia met **Jasper, Co-founder, Better Collective** who hired the team to set up 100+ web-sites. Soon Nascenia became a trusted outsourcing partner. Partners and individuals from 12 countries outsourced their software. Meanwhile Nascenia grew from a 3-person start-up to 50 people team. Due to their expertise and high quality delivery, Nascenia had multi-sector experience. For example they work for health-care, media, education, transportation, tourism, e-commerce, sports and livestock industries and so on. They have successfully delivered about 110+ projects As a recognition of high-end works, Nascenia received many national and international awards. Nascenia has representatives in **Norway, Germany, USA** and planning to have a representation in Japan and many other parts of Europe. Nascenia envisions to employ **500** people by **2021** and eventually become one of the most respected software companies in Asia.

Nowadays Nascenia generally provide the following services.

- **Web Development** (Ruby on Rails, PHP, .NET, AngularJS, ReactJS, NodeJS)
- **Mobile Development** (Android, iOS, Hybrid)
- **UI/UX Design** (Requirement Generation, Wireframing, Design for Web and Mobile)
- **Quality Assurance (QA)** (Requirement Visualization, Functional Testing, Performance Engineering, Security Testing, Automation Engineering)
- **Cutting Edge** (Blockchain, IBM Watson, Facial Recognition, Big Data, Natural Language Processing, Machine Learning)
- **Cyber Security** (Web application vulnerability assessment, Mobile app security testing, Firewall security assessment, Network penetration testing, Server side assessment, Malware defence testing)
- **DevOps** (Amazon AWS, Linode, Microsoft Azure)

About My Experience in Nascenia

I worked under supervision of **Khaled Imran, Senior Software Engineer, Nascenia**. Within first two week, I learned **Ruby on Rails** under his guidance. After the learning process was done I was assigned in 3 tasks.

- **Built an online Tech-Shop :**

This is a web-front for selling and getting tech things. Users can select the thing they want to buy and the quantity can be increased or decreased before confirming. After they are sure about their cart they can simply place the order. The user is verified and confirmed by an email to his Email address. Only admin users can access all the parts. Others can only place the orders.

Framework : Ruby on Rails

Database : SQLite3

Language : HTML, SCSS, jQuery, Ruby

Github Link : <https://github.com/msi1427/MSI-Online-Tech-Shop>

- **Assisting in Project Uddogi:**

Built front-end templates in Nascenia's Project Uddogi by the side of 4 other experienced software developers. Project Uddogi mainly manages all types of VAT transactions.

Framework : Ruby on Rails, Slim

Database : MySQL2

Language : HTML, SCSS, jQuery, Ruby

- **Built Course Registration System :**

This is a gateway for the students to register to courses and see their published results. There are two roles : **Admin and Student**

Admins can =>

- Create, Update and Delete Courses
- Create, Update and Delete Gradings
- Create, Update and Delete Departments
- Create, Update and Delete Users
- Generate Results for the registered students
- Change Roles
- Cancel Registration
- See every students Results

Students can =>

- Change only their password
- Update only their profile
- Register and see only their results
- See other users, departments, courses and current grading system
- See only their registrations

Framework : Ruby on Rails

Styling Language : HTML, ERB, SCSS, jQuery

Programming Language : Ruby

Database : SQLite3, Postgresql

Deployment Server : Heroku

Github Link : <https://github.com/msi1427/Course-Registration-System>

Project Link : <http://course-registration-system.herokuapp.com>

The following can be used to get access

Email : dummy@gmail.com

Password : dummy1