

THE LNM INSTITUTE OF INFORMATION TECHNOLOGY

# Developer Profile Management System

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in the  
Mr. Nirmal Kumar Sivaraman  
Computer Science Engineering  
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*“Write a funny quote here.”*

If the quote is taken from someone, their name goes here

THE LNM INSTITUTE OF INFORMATION TECHNOLOGY

## *Abstract*

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The Thesis Abstract is written here (and usually kept to just this page). The page is kept centered vertically so can expand into the blank space above the title too...

# *Preface*

As a part of the curriculum for Computer Science Engineering and in order to gain practical knowledge in the field of Object Oriented Programming, we are required to make a project report on our Mini Project for the OOP Course "Developer Profile Management System".

The basic idea behind doing this project remains the same i.e to enrich our knowledge of the OOP concepts and to become efficient with them; but apart from the aforementioned reasons, we also believe that the system we've tried to develop, could be an efficient internet tool for Developers and Freelancers all around the world.

In this project report, have included details about our idea, the different implementation modules, their underlying classes/interfaces and the structure used to design them. The design of this project report has helped us visualize our system and taught us how to tackle real-life programming problems in an object-oriented fashion. The modular approach that we were asked to undertake while designing it, has also helped us in learning how to work in a team and collaborate accordingly. Through this report, thus, we have provided a brief insight into the working structure of our management system.

# *Acknowledgements*

We wish to express our sincere gratitude to Mr. Nirmal Kumar, our OOP Instructor for providing us the opportunity to work on the project named DEVELOPER PROFILE MANAGEMENT SYSTEM and helping us with our doubts, without whom this project would not have come forth.

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# Chapter 1

## Introduction

In this project, we aim to design a Developer Profile Management System where it acts as a constant link between potential developers across the users and the recruiters looking for certain skills. It is a wide platform to interact with recruiters, scroll for the optimum opportunities and keep oneself updated about the current technological trends and advancements in the skill requirements by the recruiters.

### 1.1 Scope

The need was felt for such a hierarchy as there is less availability of exposure to developers as they are people behind the screen. We aim to provide an open interactive platform for the same. The project has wide scope as with increasing technology dependency, recruiters and developers both tend to look for best possible alternates virtually rather than on-field searching. Also it helps cut time consumption for projects which need immediate developers to work upon it. Also it will help multi-national organizations to reach the best professionals easily.

## Chapter 2

# Personal Details

The module fetches the details of the developer in a database. The user could update or view the details as per his/her requirement. And this is a helpful tool for the recruiters as well to contact the developers at the required time. The highlighted concept of this module is the use of INTERFACES for the different types of developers.

### 2.1 Login

This class would ask the user to login and validate his/her credentials.

Type - Parent Class Attributes - Username Password

### 2.2 Details

This class would contain the Personal Details of the developer. It would also contain an attribute asking the developer if he is looking for an intern or a job which would help the recruiters in the recruiting process.

Type - Parent Class Attributes - Name Mail ID Gender Nationality Phone Number DOB Age

#### 2.2.1 Front End Developer

Type - Interface

### **2.2.2    Android Developer**

Type - Interface

### **2.2.3    Designer**

Type - Interface

## **2.3    Education**

This class would contain the former education details of the developer.

Type - Parent Class Attributes - Board Of Education 10th percentile 12th percentile  
Year Of Passing College/ University Name CGPA

## Chapter 3

# Skills

This module highlights the skill set of a developer logged into the website. This refers to entry saving of skill information of developer including work experience, certifications etc.

The concept of inheritance is pre-dominantly used into this module. The parent class is inherited into the consequent child classes in order to reduce data redundancy.

### 3.1 SkillSet

This class stores the skill name of the developer after authentication of the user id.

Type - Parent Class Attributes - UId SkillName

### 3.2 Certification

This child class inherits the  $u_i$  and  $skill_n$  and stores information about the certification in a particular

Type - Child Class Attributes - IssueDate Organisation CourseName

### 3.3 WorkExperience

This child class inherits the  $u_i$  and  $skill_n$  from the parent class and stores information about the exper

Type - Child Class Attributes - NoOfYears NoOfProjects

### 3.4 Efficiency

This child class inherits the  $u_i$  and  $skill_n$  from parent class and stores information on percent efficiency

Type - Child Class Attributes - PercentEfficiency

## Chapter 4

# Recruiters

Our project, the Developer Profile Management System keeps track of the profile of the developers be it skills, work experience, etc. Now all that information would be valuable to the recruiters, so there must be an efficient way for them to get the information they want easily and in the format that is most suited for them. So, this module of the project would cater to the needs of the recruiters.

### 4.1 Details

This class would hold the information about the recruiters.

Type - Class Attributes - Name Company Name Position Feild Location

### 4.2 Queries

This class of the module would house the methods responsible to perform the search operation on the database. They would be responsible for returning the results based on one or more constraints.

# Bibliography