Ratan Sunder **Parai**

SOFTWARE ENGINEER

Kallyanpur, Dhaka, Bangladesh

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"Never memorize something that you can look up." — Albert Einstein

Objective

Super nerd who loves Vim and customize all of the development environment. Love to take challenge for devising a better problem-solving method while learning new technologies and tools as needed.

Skills

Programming	**C# .Net**, **JAVA**, **Kotlin**, LaTeX, **Node.JS**, **JavaScript**, **Python**, **PHP**, Android, C/C++, HTML5, Typescript, Pug, CSS3, SASS, LESS, Regex
Database	**MySQL**, **MariaDB**, **MongoDB**, SQLite, Redis
Development Architecture	**MVC**, MVW, **REST API**, Publish-Subscribe
Framework and Platform	ASP.NET MVC, Express.JS, Socket.IO, AngularJS, Angular4, Gulp, Grunt, Codeigniter, Laravel, Slim Framework, Entity Framework, Bootstrap, Foundation, SemanticUI, 960 Grid, Mocha, Chai, CMAKE, bazel, gradle, maven, Bower, Composer, OAuth 1.0a, oAuth 2.0
Development Tool	**VIM**, Emacs, Xcode, Eclipse, WebStorm, Visual Studio, Visual Studio Code, Android Studio, Sublime Text, IntelliJ IDEA, Code::Blocks, Geany, PyCharm, QT Creator
Operating System	Windows 98 – Windows 10, MacOS 10.4.4(Tiger) – 10.11(El Capitan), Ubuntu (8.04 – 15.10), Fedora
Web Server	Nginx, Apache, Lighttpd, Tor Hidden Service
Languages	Bengali, English

Experience

Leads Corporation Ltd.   *Dhaka, Bangladesh*
SOFTWARE ENGINEER   *Jul. 2017 - PRESENT*
- Research and Development for Artificial Intelligence for Banking Solutions
- Leads Bank Bot development using **Microsoft Bot Framework**
- Architecture Define and Develop HRMBot using **Microsoft Bot Framework**
- Lead developer of Anti-skimming software solution for **Prime Bank Ltd** using **C# .NET MVC 5** and **Kotlin**
- Lead developer for ATM Log Software solution
- Setup and maintain local **DevOps** and **Static Code Analyzer** server

Leads Corporation Ltd.   *Dhaka, Bangladesh*
SOFTWARE ENGINEER INTERN   *May. 2017 - Jun. 2017*
- Completed assigned task successfully

Ginilab Ltd.   *Sunderland, U.K.*
SOFTWARE ENGINEER   *Apr. 2017 - May. 2017*
- Develop and Update **UIWebView** based **iOS** Application using **ObjectiveC**
- Add new feature and bug-fix (Update) of existing Android and iOS apps
- Publish and Maintain iOS Application on App Store using **iTunes Connect**
- Develop **Hybrid Android** app with **FCM** (Formally, GCM) integration for push messaging
- Publish and Maintain Android app on **Play Store**

Self Employed   *Remote*

PART-TIME FREELANCE DEVELOPER   *2013 - 2016*

- **WordPress Theme** development form PSD
- Develop few small **plugins** for WordPress
- Perform WordPress site transfer from one host to another
- Install, support and Maintain WordPress site
- Work in team of freelancer for developing **Codeigniter, Laravel, Slim Framework** based web Application.
- Develop and Consume **RESTful API** for the team
- Convert **PSD** to **HTML**
- **C++** code debugging

NanoIT Bd   *Sugandha R/A, Chittagong*

SOFTWARE ENGINEER   *Jun, 2012 - Jan, 2013*

- Worked on various projects on HTML, CSS, JavaScript, PHP, WordPress

Project

Leads Corporation Ltd   *Dhaka, Bangladesh*

MIDDLEWARE FOR BANK ULTIMUS   *2018*

- Language: Java
- Improve response per minute by implementing Multithreading
- Implement full Asynchronous logging and other improvement to minimize lock time

Leads Corporation Ltd   *Dhaka, Bangladesh*

ANTI-SKIMMING SOLUTION FOR PRIME BANK LTD   *2017*

- Lead developer and team leader
- ATM Application written in **Kotlin** language that talk with server via **token** over **SSL**
- **C# .Net MVC 5** web app with **MSSQL 2008** server. Technology used: OAuth2.0, KnockoutJS

Leads Corporation Ltd   *Dhaka, Bangladesh*

HRM(HUMAN RESOURCE MANAGEMENT) BOT   *2017*

- **Facebook** and **Skype** integration
- Used technologies: Luis, BotBuilder, C# .Net
- Open source project, source code - **https://github.com/mahedee/gen-bot-hrm**

Booker   *IIUC, Chittagong, Bangladesh*

FINAL PROJECT   *2016*

- This is my **Final Project**
- I have Implemented **RESTful API** server for Book reading and progress tracking Application.
- Built and deployed overall service infrastructure utilizing **Node.JS**, **Express**, **Publish-Subscribe** for push notification and **MVW** software design pattern
- To improve performance used two different database **MongoDB** and **Redis**
- The source code of the project can be found on **https://github.com/ratanparai/Booker**
- Desktop eBook reader application written using **Visual C#**. Source code **https://github.com/ratanparai/Booker-desktop**

Kodi plugin for Cinehub24   *Link3 Technologies Ltd*

HOBBY PROJECT   *2015*

- Cinehub24 is the media server for Link3 internet provider.
- The Kodi plugin make it possible to see detailed information of the movies , watch trailer from youtube, see quality of movie, add movies to their collection and stream movie directly to their Kodi Media Center
- I wrote the plugin in **Python**
- Source code can be found in **https://github.com/ratanparai/cinehub24**

Nisha's Tandoori

ANDROID & IOS APP DEVELOPER   *2017*

- iOS application using **UIWebView** in **Objective-C**
- **Hybrid Android** App using WebView, Caching and many others small tweaks to work and behave like native app.
- **FCM** (Formally GCM) integration using service for optimized push notification
- https://play.google.com/store/apps/details?id=com.ginilab.nishastandoori

Hostel Management System   *IIUC, Chittagong*

SOFTWARE DEVELOPEMENT PROJECT   *2014*

- Build a **MVC PHP Framework from the scratch** following **PSR** Standard.
- Develop **REST API** for **Android** app
- Source code can be found on - **https://github.com/ratanparai/Hostel-Management**

Extracurricular Activity

Microsoft Technical Community Bangladesh

HEAD OF R&D AND MAINTAINER OF OPEN SOURCE PROJECT

Github

2017 - PRESENT

- Help community to learn how to work collaboratively using git
- Hands on experience with Open Source Contribution to prepare the next generation

National Collegiate Programming Contest(NCPC)

PARTICIPATOR

DIU, Dhaka

2014

- Gained expertise in Problem solving
- Meet with top selected contesters from all over Bangladesh

International Contest on Programming & Systems Development

PARTICIPATOR

GIBS, Chittagong

2014

- Gained expertise in RAD (Rapid Application Development)
- Had hands on experience on working efficiently

Honors & Awards

2017	**1st Runners Up**, Leads Innovation Challenge		*Dhaka*
2014	**Second Position**, IIUC Programming Contest		*Chittagong*
2014	**25% Waiver**, Waiver on the basis of Semester Result		*Chittagong*
2002	**Scholarship**, Higher Secondary Scholarship		*Rajbari*
2001	**Third Position**, Inter-School Math Olympiad, Junior Level		*Rajbari*

Presentation

Microsoft Developer Conference

PRESENTER FOR <INTRODUCTION TO DOCKER WITH .NET CORE>

EMK Center, Dhaka, Bangladesh

Dec. 2017

- Docker use cases
- Introduction to Micro-service architecture using docker

AIUB .Net Day

PRESENTER FOR <INTRODUCTION TO DOCKER>

AIUB Permanent Campus, Dhaka

Nov. 2017

- What is docker and how it works
- Developing for the cloud: Micro-service

Workshop organized by Computer Club

PRESENTER FOR <GAME DEVELOPMENT FOR BEGINNERS>

IIUC, Chittagong, Bangladesh

Jul. 2015

- Basic game theory
- Simple 2D game development using **C** lirary **SFML**

Workshop organized by Computer Club

PRESENTER FOR <INTRODUCTION TO GIT>

IIUC, Chittagong, Bangladesh

Sep. 2015

- Installtion and setup of Git CLI on Windows
- What is Git, Why we should use Git, Basic CLI commands and how Git works

Education

International Islamic University Chittagong

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Chittagong, Bangladesh

2015

- CGPA: 3.46 out of 4.00

Rajbari Govt. Collage

HIGHER SECONDARY SCHOOL CERTIFICATE (H.S.C)

Rajbari, Bangladesh

2007

- CGPA: 4.60 out of 5.00

Rajbari Govt. Hight School

SECONDARY SCHOOL CERTIFICATE (S.S.C)

Rajbari, Bangladesh

2005

- CGPA: 5.00 out of 5.00

Personal Profile

Name	:	Ratan Sunder Parai
Nationality	:	Bangladeshi
Religion	:	Hindu
Sex	:	Male

References

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