

Samrat Dutta

Software Developer

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Experience :

Piping Rock India Private Limited

<https://pipingrock.com>

Software Engineer

July 2016 - September 2018

We built a warehouse management system for our parent company Piping Rock Health Products.

Using Asp.Net MVC (C#), we built an internal website hosting tools to serve the needs of the employees working in the warehouses as well as dashboards and management screens for the administrators.

I was responsible for:

- Database Design and management (SQL Server)
- Creating and modifying Views, Functions, Stored Procedures, Constraint Checks and Triggers.
- Data layer to handle communication between the database and our application. (Entity Framework)
- Business Logic layer to implement business requirements in the application. (C# Asp.NET)
- Basic frontend development using HTML/CSS, Javascript/JQuery, Bootstrap. Ajax requests.
- Creating REST APIs to communicate with other modules of the company's system.
- Rabbit MQ implementation to handle notification services across multiple modules.
- Hangfire implementation and it's extension to schedule, trigger and manage automatic jobs.

Familiar with Agile development, Sprints and Scrums. Trello, Jira, Confluence, Slack for Project Management.

Was an active member in the weekly meetings with company's board throughout the development process. Oversaw the deployment and implementation of the first phase in the facilities in USA and took part in initial user training in USA.

Education:

Universität Paderborn

Master of Computer Science

Sept 2018 - Current

Focus Area : Intelligence and Data

West Bengal University of Technology

Bachelor of Technology (Information Technology)

Aug 2012 - July 2016

<http://www.wbut.ac.in>

Grade : 7.97 on a 10 Grade Point Scale.

Skills :

Technologies(Programming Languages):

- C# [Asp.Net MVC, Entity Framework](over 2000 hours / 2 year Work Experience)
- Java [JavaEE - Servlets, JSP] (over 1500 hours, extensively in Bachelor's)
- Python [numpy, matplotlib] (Personal Projects)
- C (Educational)

Other Technologies:

- SQL (SQLServer, MySQL, SQLite)
- RabbitMQ (amqp messaging protocol)
- Hangfire (job scheduling technology)
- Source Control : Git
- HTML/CSS, Bootstrap
- Javascript/JQuery
- Ajax
- RestAPIs

I have worked extensively on the back-end technologies like C#, Java and SQL. I have limited experience in developing frontend. I can develop basic websites with html/css using bootstrap and javascript/jquery.

Certifications:

Completed month long workshops in:

- ■ Web Development using Java Enterprise Edition (JEE) from Globsyn Finishing School
- ■ Android Application Development from Globsyn Finishing School

Python Certifications :

- 1. Programming for Everybody [by University of Michigan on Coursera]
<https://www.coursera.org/account/accomplishments/verify/5SUZTZESHQ32>
 - 2. Using Databases with Python [by University of Michigan on Coursera]
<https://www.coursera.org/account/accomplishments/verify/D2K37RA5LTHW>
 - 3. Using Python to Access Web Data [by University of Michigan on Coursera]
<https://www.coursera.org/account/accomplishments/verify/98BUC4GFNDMB>
 - 4. Python Data Structures [by University of Michigan on Coursera]
<https://www.coursera.org/account/accomplishments/verify/2H8BFYVCGFGM>
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Communication Skills :

- Deutsch : A2 (currently in a B1 course)
 - English : C1 (IELTS Score: 8.0)
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Reference:

Krishnamurthy Padmanabhan, Technical Director

Piping Rock India Private Limited

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Reference letter available upon request.