Satabdi Das

Contact Information

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Professional Experience

Mentor Graphics   **Member of Consulting Staff**   **December 2016 − Present**

- Veloce Emulator Platform
  - Improved the run time performance of the scheduler ranging from 10%-30%.
  - Designed and developed critical features and rewrote the core algorithm of the critical path finder tool.
  - Improved unit test coverage and started introducing modern C++ code.
  - Organized lunch and learn sessions on topics in modern C++.

Mentor Graphics   **Member of Consulting Staff**   **April 2013 − July 2016**

- Veloce Prototyping System
  - Designed and developed the logging system.
  - Wrote robust object oriented components. Been enthusiastically involved in designing and leading various projects to add new functionality to the tool, improve the performance and the code quality.
  - Organized tech-talks to share and enhance technical knowledge and promote best programming practices and was a member of all-India technical council in the company.
- Questa Static
  - Developed new components and improved the existing features.
  - Worked on to improve the run-time performance by as much as 6x in critical customer issues.
  - Re-factored and improved quality of the code which in turn gave performance gain in memory.

Gnome Foundation   **Programming Intern**   **January 2013 − April 2013**

- Designed and developed GeoIP and WiFi based geo-location server and client libraries for Gnome from scratch. This library later became part of GeoClue which provides location information.
- Implemented the server as a cgi-bin program and the client using glib, GObject and gio-asynchronous programming. The source code is at `http://git.gnome.org/browse/geocode-glib`

Mirafra Technologies   **Senior Software Engineer**   **October 2008 − January 2010**

- Contributed to the development of parser and elaborator of a fast spice simulator.
- Automated the regression set up of the product Cooolgate from Pwrlite Inc.

Interra Systems   **Senior Member of Technical Staff**   **June 2006 − September 2008**

- Improved syntactic and semantic checking of an object-oriented parser and analyzer. Worked on performance improvement of the analyzer.
- Developed a part of an efficient object-oriented data converter called area-generator.

Wipro Technologies   **Software Engineer**   **August 2005 − May 2006**

- Developed a web application using JAVA/J2EE, Struts framework.

Technical Skills C, C++ using object-oriented programming concepts
Operational knowledge of Perl, Python, Go and Shell scripting

EDUCATION	**Recurse Center, New York**	**August 2016 – November 2016**

Explored low level systems programming and distributed systems during the batch.

Jadavpur University, India   **2005**

B.E in Computer Science and Engineering   (77%, First Class with Honours)

ACHIEVEMENTS

- Selected in the Gnome-led Outreach Program for Women in 2013 `https://wiki.gnome.org/OutreachProgramForWomen/2013/JanuaryApril/Accomplishments`
- Awarded Interra Team Performance Award-2007 for significant contribution to the project in Interra Systems

PROJECTS

- Developed an object-oriented preprocessor used in combinatorial auction, an e-commerce application project under the guidance of Merlin Nandy, doctoral candidate, Management Information Systems, IIM Calcutta, and supervised by Prof. Ambuj Mohanti, Management Information Systems, IIM Calcutta.
- Worked on "Voice over Local Area Network (LAN)" project under the guidance of Prof. Atal Chaudhuri, Jadavpur University.

INTERESTS

- Co-founded Boston Hack && Tell meetup for programmers.
- Co-organized resume camp and career camp for women in the software industry in India.
- Co-organized C++11 meetups in Delhi NCR.
- Tinkers with wearable electronics and Arduino.