

Sunil Kumar

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I am a software developer with more than 2-year experience with the companies [Drishti-soft Solutions](#) and [Morphing Machines](#). I have worked on stand-alone product development projects along with projects in a team for high priority customer. Many time these feature or product required understanding customer requirement directly from Customer end.

Education

MAY 2014

B. Tech. of Information Technology / NIT Durgapur, West Bengal.

8.10 CGPA / Projects: Collage Study Point Website, Project on Data Structure, Digital Clock on Multisim and Exploration bot.

MARCH 2010

12th CBSE / K V Bengdubi, West Bengal.

85.8 % / Projects: Book Shop Management, Tic Tac Toe bot.

MARCH 2008

10th CBSE / K V Bengdubi, West Bengal.

79.8 %

Experience

JUNE 2014 – SEPTEMBER 2016

Software Developer / Drishti-Soft Solutions, Gurugram

- **Ameyo Report** ([GWT](#) based front-end and [Jasper](#) based backend). [UI Renew](#), transformer (de-normalize data for reporting) modeling to ease generation of new transformers and backend enhancements. Shell Scripts for migration and debugging.
- Report Scheduler ([Quartz library](#)), Support for Centralized Reporting (Ameyo ART), Graphical Reports.
- I increased company's database performance for large scale customer's database ([PostgreSQL](#)) by 80-90% using [table partition](#), Multicolumn Indexes, PostgreSQL Function and triggers.
- I increased the company's server-side stats manager's performance with cache (SoftHashMap) for reflective calls by 60%.
- **Report Designer**: Front-end GWT UI with generated data based on [Model instances](#) (.xmi) and later produces Model (EMF) object (.drxml) which converted by backend into jasper based object ([.jrxml](#)).
- L4 Critical Cases which were spread across multiple plugins of Ameyo Server and Client.
- **Magic Numbers**: Predict Hardware requirements (CPU, RAM and HDD) based on Customer requirements for reporting server.
- Automate HDFC collection process. Fresh UI, Integrating [HCP](#) for storage, [SSO](#) Authenticating server & Centralized Exclusion.
- Explorations: GWT bootstrap, Database Partition, HCP Integration, [Bonita BPM](#).
- Awarded with Excellence Award 2016 and won /tmp 2014, also participated /tmp 2015 and HUNKAAR 2016. (10 days 24x7 coding event).
- Part of Hiring team for the 2016 and 2017 batches. (Question preparation, Interview Rounds and training after hiring)

JUNE 2013 – AUGUST 2013

Software Developer Intern / Morphing Machines, Bangalore.

- I designed and developed the front-end interface for a project called 'Development Of A Flexible Framework for A Network On Chip'.
- UI starts with a 4 page Wizard then shows [EMF](#) based resulted graph using [Graphiti](#) and finally produce a XML for the python written scripts which run and produce [VHDL](#) based back-end [NOC](#).

Technical Tools

- Proficient: Eclipse, Java, PostgreSQL, GWT, JDBC.
- Intermediate: Groovy, JavaScript, C, C++, Python, HTML, CSS, REST, XML, JSON, Git, GitHub, Vim, Unix/Linux, Graphite, MVC, Adobe Photoshop.
- Familiar: PHP, Embedded C, AWS.

Activities

During College:

- Attended Workshops:
 - Ethical hacking & Information security by Kyrion Digital Securities 2010. (In 1st year).
 - Photoshop workshop. (In 1st year).
 - Android workshop. (In 2nd year)
- Participated in contests:
 - 1st position in behind the Scene in MuKti '13. (coding event).
 - 1st position in InCanity in MuKti '13. (coding event).
 - 2nd Position in Simplex in ANK '12. (coding event).
 - Participated in National Robotic Contest 2013 Pune-India.

During School:

- 82% Marks secured in Junior NTSC Mathematics. (Jan 2005)
- MERIT in First Nationwide Biotechnology Olympiad
 - All India/state/school Ranks: 696/11/2 (Aug 2006)
- Distinction in International Assessments for Indian Schools Science.
 - In Top 4%.
- Distinction in International Assessments for Indian Schools Math.
 - In Top 5%.
- Participated in NSE in Astronomy 2008-2009 (Senior Level)
 - Among top 10%
- Ranked among the 1.9% of all student appeared in AIEEE-2010.

Extracurricular activities:

- Selected for 35th, 36th, 37th K.V. National Sports meet after getting 3rd, 1st and 2nd position in Regional Sports meet in 2007, 2006 and 2005 respectively (Game: CHESS).
- Participated 3 time in 8-10 Days High Altitude Trekking Programme (Manali, Shimla) and covered 110 K.M. and gained 12000 feet height.

Hobbies

Computer Gaming, Solving Programming Problems, Watching Movies & TV Shows, listening to music, Playing Chess & Football.