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| **Abhishek Dey Das** | 4029 Block Dr, Apt #2202, Irving, TX-75038  (972) 730-6443 🟇 abhishek@abhis.ws 🟇abhis.ws |

**Software Engineer**

Software engineer with a focus on back end development. Experienced in algorithm design and implementation pertaining to large scale systems.

**Core Competencies**

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| * Algorithm Design and implementation | * Application Development | * Back end development |

**Professional Experience**

**Tango Analytics 🟇 Irving, TX 🟇 2014-Present**

**Software Developer**

* Designed a data type for spatial objects for the Pentaho Data Integration platform. Enabled PDI to be used for spatial operations along with ETL operations.
* Developed several steps for spatial operations for the Pentaho Data Integration platform. Worked on algorithms to change between projection systems and functions like polygon split, drive time and trade area, computation of spatial information on geometries and geocoding abilities.
* Collaborated in design and development of the R suite platform. Developed utilities and components to connect R with JAVA code to deploy statistical models as web services.
* Developed service oriented architecture based pipeline for internal services. The system increased productivity by enabling interaction between otherwise disparate systems.

**Tango Analytics 🟇 Irving, TX 🟇 2014**

**Software Developer Intern**

* Developed plugins for Alteryx in C# .NET to build drive time polygons on the fly reducing processing time for analysts and increasing productivity.
* Developed a proof of concept of a Service Oriented Architecture based infrastructure in JAVA that enabled multiple instances of the same service to attach to the pipeline and process data in parallel. Reduced time consumption for long running processes and increased overall productivity.

**Amazon 🟇 Seattle, WA 🟇 2013**

**Software Development Engineer Intern**

* Developed a new transmuting process (for the Amazon SOA platform) in JAVA using generated code instead of visitor pattern which made the code base simpler and gained a performance increase of 18%.
* Monitored performance increase by benchmarking against previous transmuting process. Developed and implemented an automated process to benchmark and collect statistics.
* Gained visibility by presenting “proof of concept” and implementing it by changing the previously designed architecture. Wrote agile code, shipped every week and followed an object oriented methodology.
* Formulated the design specifications and implemented it in code.

**Infosys Ltd. 🟇 Chennai, Tamilnadu 🟇 2010 - 2012**

**System Engineer**

* Developed and maintained Microsoft's internal applications pertaining to batch jobs.
* Monitored servers for performance and failures and provided support Microsoft staff and vendors.
* Wrote batch jobs and monitors to detect failures automatically which greatly increased productivity and efficiency (especially during weekends/holidays).
* Maintained some of Microsoft's internal applications, monitored servers pertaining to these applications and fine-tuned databases.
* Implemented supporting applications to automate processes in an agile and object oriented process.

**Freelance Developer 🟇 2009 - 2012**

**PHP Developer**

* Analyzed client needs and developed solutions to ensure a successful application.
* Developed a SOA based platform for SNS and email collaboration (Zelinx.com)
* Designed CMS's for MotiveMinds and DropMiddleMan.
* Gained experience with WordPress and Joomla and delivered each project on time and under budget.

**Sure Success Consulting 🟇 Bhubeneswar, Orissa 🟇 2009**

**Web Development Intern**

* Developed a middle layer with the web portal and internal applications at its ends in C# .NET.

**Education**

**The University of Texas at Dallas, Richardson, TX: 2014**

*Master of Science: Software Engineering*

* **Teaching Assistant**: 2012, 2013 – Tutored, graded and assisted students with learning C++

**Relevant Projects:**

* Cyberminer Search Engine: Collaborated in development of a search engine with crawling and indexing features (Software Architecture and Design Course) in JAVA.
* Android app for the physically challenged: Collaborated in designing an Android app for the physically challenged (Requirements Engineering Course). Gathered requirements and formulated the design plan.
* Monitor VM security in OpenStack Cloud platform: Collaborated in monitoring and preventing attacks on an OpenStack cloud platform (Cloud Computing Course). Implemented automated processes for it.
* Student Course Portal: Developed a course portal for students in C# .NET (Database Design Course). Analyzed the requirements and designed the data model to support the system’s functions.

**Relevant Coursework:**

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| * Data structures and Algorithms | * Database design | * Object oriented analysis and design |
| * Advanced Requirements Engineering | * Advanced Software architecture and design | * Cloud computing |
| * Software testing * Advanced Software Engineering Project | * Distributed Computing | * Semantic web |

**Gandhi Institute of Engineering and Technology - Gunupur, Orissa, India: 2010**

*Bachelor of Technology: Computer Science and Engineering*

**Relevant Projects:**

* Easy Clipboard Manager: Developed a clipboard manager to enhance the functionality of the default Windows clipboard manager in C# .NET.
* Online Shopping Portal: Developed an online shopping portal akin to eBay in C# .NET.

**Additional Credentials**

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| **Awards** | * Finalist at the software competition held at Kshitij 2009, Indian Institute of Technology * 2nd position in Microsoft Dev-Studio event at Aarush 2008, SRM University. * 1st position in Colloseum, a software competition held at Aarush 2008, SRM University. * 1st position in the paper presentation contest held at Camed 2008, GIET. * 1st position in the web designing contest held by ASCE, GIET in 2007. * Finalist at the regional Jawaharlal Nehru Science Competition held by Govt of India, 2003. |
| Volunteerism | * Member of Indian Student’s Association. * Member of IEEE students chapter at The University of Texas at Dallas. * Chosen as a prestigious Self Governance Team member to represent trainees during the process. * Conducted workshops at Gandhi Institute of Engineering and Technology, Gunupur. * Member of the administrative team at Advaita, annual tech-fest of Gandhi Institute of Engineering and Technology, Gunupur. |
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