Devasish Ghosh

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Career Summary

1. I am a Software Engineer, B.Tech in CSE from WBUT and having 8 **year of extensive experience** in software architecure and development field.
2. My core expertise in **Web based Software Development, Software Architecture Design, Infrastructure mangment** and I'm specialized in technologies like **Python3, Nodejs, git, Jenkins, docker, Linux, AWS, Elasticsearch, MongoDB, RESTful web-services, micro-services and Algorithm designing and Data Structure**.
3. I am **result oriented**, highly motivated, energetic, **self-driven,** smart and hungry to learn new technologies and implement.
4. Enjoy challenges and responsibilities.

Education Details

Qualification	Board/Council/ Univ.	Duration	Year of passing	Marks Obtained
B. Tech (Computer Science and Engineering)	WBUT	4 Years	2011	8.4 out of 10 (DGPA)
10th+2 (Higher Secondary)	WBCHSE	2 Years	2007	84%
10th (Secondary Exam.)	WBBSE	2 Years	2005	88.6%

Technical Skills

Technology/ Programmling languages etc.	Experience	Expertise level (self assessed) Grade out of 10	Major work done
Python3	4 year	9/10	• Created microservice Archiecture using fiask • Notification system

			• image optimization
NodeJs (ES6) express	6 year	9/10	• Microservice for product catalog and intelligent search
Elasticsearch	5 year	10/10	• Product catalog search • multi-node clustering and sharding • security setup
Linux (Ubuntu)	4 year	9/10	• Setup the entire production server for python, nodejs, elasticsearch, mongodb, docker, jenkins, git etc. Manage logs, app services etc.
AWS	3 year	7/10	• Aws ec2 setup, bastion server, s3 cli etc.
Git	7 year	9/10	• Self hosted git solution • maintain projects with multple develpers • worked in github and bitbucket
Jenkins	1 year	7/10	• Created simple CICD pipeline
Docker	1.5 year	7/10	• Setup application with multiple container using

			docker-compose
mongodb	4 year	8/10	• As analytics data storage • As log storage • As Data sync intermediate database

Other technologies and tools:

- PHP, Javascript & Jquery, MySQL, CSS, HTML
- C, Core Java
- RESTfull webservices, microservices
- MySQL, DBMS normalization, Joing etc.
- Netbeans, eclipse, Pycharm
- Virtualenv, anaconda

Experience

1. **Total Experience in software developing: 8 year 11 month**
    a. 5 Year 6 Months at SastaSundar Market Place Ltd. as Sr. Software Developer/ Technical Team Lead & Software Architect. (Current)
    b. 1 Year 2 Months at Codeclouds IT Solutions pvt. Ltd.
    c. 2 Year 3 Months at Lab3 Technology Pvt. Ltd.

Project Details

1. **Notification System**
    a. **Duration:** 2018 to present day
    b. **Team size: 3**
    c. **Techologies Used:** Python3, mongodb
    d. **Role played:** Architecture Planing, Team Lead, Coding, Testing and Production Deployment
2. **CICD**

a. Create deployment pipeline using git, jenkins, docker, postman, newman etc.
   b. **Duration:** 2019 onwards
3. **Micro-service for Genu Path Lab**
   a. **Duration:** May, 2017 to June 2018.
   b. **Team Size:** 12
   c. **Role Played:** Micro-service architecture desgine, coding RESTful Web service development, Unit testing
   d. **Skills Used:** Python, Flask, SQL server
   e. **Description:** This is a path lab market place application with many critical RDBMS relationship. Highly customizable, Scalable for large number of users.
4. **Search Engine for online shopping site (www.sastasundar.com):**
   a. **Duration:** April, 2015 to present day.
   b. **Team Size:** 6
   c. **Role Played:** Requirement analysis, Software Architechture, Algorithm design, Coding, testing and Production deployment.
   d. **Skills Used:** NodeJS, Python, ElasticSearch, JQuery, RESTful Web Searvices.
   e. **Description:** This is autocomplete search. Main challenge were to show result to the user in less than 150ms and we made it. We added a fuzzy logic to identify the spelling mistakes while searching by user. We have built a knowledge base based on the user's previous search and it boosts in presenting the most relevant result to the user. It is really a challenging and interesting job I have done.
5. **Warehouse Management Software (For Euro SME SDN BDH, Malaysia):**
   a. **Duration:** December. 2014 to March, 2015
   b. **Team Size:** 4
   c. **Role Played:** Team Lead, Software Architect, Developer and tester.
   d. **Skills Used:** PHP, CakePHP, MySQL, JQuery.
   e. **Description:** Huge amount of critical calculations are done with full accuracy by this software. This is an Inter-departmental data flow system, a multi-user, multi-role and permission based software. In each and every step there is some kind of automation applied as much it was possible. The users are very happy as everything is done with their minimal effort.
6. **Online Editor with Annotation Option and copy scape implementation (For Brand.com):**
   a. **Duration:** December 2013 to January 2015.
   b. **Team Size:** 8
   c. **Role Played:** Developer and tester.
   d. **Skills Used:** PHP, CodeIgniter, JQuery.

e. **Description:** This is online WYSIWYG editor with annotation option. Can highlight text, add comment, discussion etc. The editor has capability of calculating keyword density, measuring readability of a content etc. It validates if content is passed or not based on some criterion. Main purpose of this editor was for web content writing and the content flows in different departments, the authority checks it approves it or sent back to the writer with some annotation etc. The editor was appreciated by all users.

7. **Educational System Management Software**
   a. **Duration:**   January 2012 to December 2013
   b. **Team Size:** 7,
   c. **Role Played:**   Team Lead, Developer, and Tester.
   d. **Skills Used:**   Core Java, MySQL.
   e. **Description:**   This is school/college management software featured with accounting, library management, attendance, examination, admission, issuing I-Card, admit card etc., arranging guardian meetings, sending SMS etc. All of these modules were independent and plugin like. It is fully configurable based on user's requirement.

8. **CRM Software:**
   a. **Duration:**   September 2013 to December 2013
   b. **Team Size:** 3,
   c. **Role Played:**   Team Lead, Developer, Tester.
   d. **Skills Used:**   PHP, MySQL, JavaScript, JQuery.
   e. **Description:**   This is customer support software with ticket raising system and chatting.

9. **Micro Finance Software:**
   a. **Duration:**   September, 2011 to December 2011
   b. **Team Size:** 5
   c. **Role Played:**   Team Lead, Developer, Tester.
   d. **Skills Used:**   PHP, MySQL
   e. **Description:**   This is multi-user online software, configurable with any kind of micro-finance scheme like FD, RD, MIS etc.

10.   **MLM (Multi Level Marketing) Software:**
   a. **Duration:**   September, 2011 to December 2011
   b. **Team Size:** 5
   c. **Role Played:**   Team Lead, Developer, and Tester.
   d. **Skills Used:**   PHP, MySQL, JavaScript.
   e. **Description:**   This is multi-user online software with MLM business logic incorporated inside it, the user tree structure management, and commission generation with exceptionally critical logic.

11.   **The Mini Framework Project**
   a. **Duration:**   January 2012 to April 2012
   b. **Team Size:** 1
   c. **Role Played:**   Developer, Designer, Planner, Tester.

d. **Skills Used:** PHP, MySQL, JavaScript, JQuery, CSS.
e. **Description:** I began this project to fulfill my own requirement. I had no knowledge of framework that time. To avail code reusability and modularity I needed a core for my project. For this I built a query processor, an HTML form generator, list-view library and a Windows-7 like UI. I made everything possible with minimal effort while developing anything using my framework. It is exceptionally fast and easy to understand.

12. **Snake Game (Self Interest. at 3rd year in college):**
a. **Duration:** January 2010
b. **Team Size:** 1
c. **Role Played:** Developer, Designer, Planner and Tester.
d. **Skills Used:** C
e. **Description:** This is the popular snake game (First seen in my Nokia Mobile). It was featured with keyboard navigation, level change option, speed controller etc. I enjoyed this project very much as it was my first "big" project at that time.

Strengths

1. Good oral, written & presentation skills.
2. Love to build algorithm for critical problem.
3. Untiring when there is some big challenges ahead.
4. Quick learner with good grasping ability.
5. Action-oriented and result-focused.
6. Lead & work as a team in an organized way.
7. Great time management skill.

Achievements

1. **GATE-2018 All India Rank : 1644**
2. **Topper at NPTEL** online course "Introduction to C Programming".
3. **Highest scorer at 10+2 in our sub-division**.
4. Won first prize at block level annual sports competition.
5. Won first prize at block level inter-school debate competition.

Interests and hobbies

I like listening soft-tone music, reading spiritual books like The Gita, Vedanta Philosophy etc. Love open-source technologies; linux and git.

Personal Details

- **Date of birth:** 20 Mar, 1989
- **Gender & Marital Status:** Male & Married
- **Nationality:** Indian,
- **Religion & caste:** Hindu & General,
- **Languages Known:** English, Bengali, Hindi
- **Permanent Address:** Nabagram, Khandaghosh, Purba Bardhaman, West Bengal, PIN – 713142
- **Present Address:** J19/1406 Shapoorji Shukhobristi, New Town, Kolkata – 700135

Declaration

I hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars. Should you need any further information or clarification, please do not hesitate to let me know.

Devasish Ghosh
9th Nov, 2020
Bardhaman