N. GIRIDHARAN

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Career Summary

- An analytical software developer with deep expertise in Java and .Net technologies possess 3+ year hands on experience.
- Proficient in coding and developing the new software.
- Strong Object-Oriented concepts for software design and implementation.
- Skilled in requirements analysis and project documentation.
- Able to communicate effectively with both technical and non-technical project stakeholders.
- Adapt to any programming language and environment.
- Worked closely with clients and have served as the Point of Contact for the project.

Key Skills and Competencies

- Strong core Java development experience.
- Extensive knowledge of JDBC, OLEDB and relational databases.
- Experience with application servers as well as developing and integrating web services.
- Writing automated tests using Selenium 2.
- Ability to develop creative solutions for complex problems.

Employment History

Assistant Professor – June 2015 till Present

K. S. Rangasamy College of Technology – Namakkal, India

Working as Assistant Professor in Computer Science and Engineering department.

Duties

- Designed and developed online web IDE - Programming Skill Development System.
- Designed and developed E-Laboratory System for conducting paperless laboratories in educational institute.
- Designed and developed Online Examination System for Engineering Subjects for conducting quizzes in educational institute.
- Course coordinator for SAP.

Software Developer – Oct 2013 till July 2016

Freelancer – Upwork.com

Working as Freelance Software developer through Upwork.com and earned Top Rated status.

Duties

- Researched, identified and documented client's technical requirements.
- Deciding project deadlines, and ensuring that the assigned work is completed on time.
- Involved in designing and development of project.
- Supporting and maintaining the software.

Software Developer – April 2012 till Oct 2013

Roftr – Coimbatore, India

Worked within a team of highly motivated software engineers to deliver complex solutions to specific technical problems.

Duties

- Involved in the implementation phase for developing the servlets classes and jsp.
- Worked with HTML, CSS, Java Script, JSON, JSP.
- Involved in design and architecture of the application.
- Participated in regular requirement and status calls with client.
- Preparation of unit test scenarios and unit test cases.

Project History

Project: E-Laboratory
Client: K S Rangasamy College of Technology, Tamil Nadu
Environment: ASP, VB.NET, Java Script, W3CSS, MSSQL Server 2016, Visual Studio 2017
Role: Developer
Duration: Sep 2017 – Jan 2018
Description:

An E-Laboratory facility has been introduced for the better management of Laboratory Courses. E-Laboratory facilitates the subject handlers to set the required fields for the data measurements and evaluation involved in the respective experiments. Subsequently, the students after completing the lab experiment on a particular day, they will feed and submit the measurement and calculation data in the appropriate fields. The faculty in-charge can validate and evaluate the experiment online.

Project: Web Integrated Development Environment
Client: K S Rangasamy College of Technology, Tamil Nadu
Environment: ASP, VB.NET, Java Script, W3CSS, MSSQL Server 2016, Visual Studio 2017
Role: Developer
Duration: Nov 2016 – July 2017

Description:

The web IDE can be accessed from a web browser allowing for a portable working environment. It contains features such as generating auto code and highlighting the programming languages keywords in different colors to make it easy to read. It supports multiple programming languages such as C, C++, Java, Python, C#, VB, SQL, etc. It is automated to conduct and evaluate programming assessment.

Project: USB Detection and Deletion
Client: Gan Franco, Singapore
Environment: C#.NET, Media Player, Visual Studio 2015
Role: Freelance Software Engineer
Duration: Jun 2016 – July 2016
Description:

Software that will auto destroy file after read the files in USB drive. Client will able to view the videos that are available in the USB drive through embedded player from the software. Once the user viewed the file it will be destroyed automatically.

Project: Web Automation Software
Client: Frank Staebe, Australia
Environment: Java, JavaFX, MSSQL, Selenium 2, ASP.NET, HTML, Eclipse, Visual Studio 2012
Role: Freelance Software Engineer
Duration: Nov 2015 – May 2016
Description:

Amazon and eBay drop shipping software allow user to select the categories of Amazon product in application. The application will download the product item from the supplier site and then creates the perfect listing and post it in eBay. Once listed, the user then has the ability to program the application to regularly scan the supplier's websites for product availability (stock outs) and / or any changes in pricing will be updated in eBay.

Project: Automation Software
Client: Eclipse Racing Pty Ltd, Australia
Environment: Python 2, MySQL, Selenium 2, JSON, XML
Role: Freelance Software Engineer
Duration: Jan 2015 – Sep 2015
Description:

Horse racing software is able to compile all of the available data and make decisions about which horses will have an advantage in a particular race based on how they compare to the other horses in the race. The artificial intelligence built into this horse racing software is quite sophisticated and can see things quickly that may take a human hours to figure out.

Project: Automation Software

Client: Perigon, Australia

Environment: Python 2, MySQL, Selenium 2, JSON, XML

Role: Freelance Software Engineer

Duration: Dec 2013 – Aug 2014

Description:

Data Filter Automation software which will search on a daily basis for new listings of real estate details. It will check each new House/Land/Acreage posted, and check the local council website to see what ZONE the property is in. The software have the ability to filter all listings by ZONE run-automatically in the background off the PC and advise when new listings are placed which meet certain zone requirements.

Project: Customized Website

Client: Roftr, Coimbatore

Environment: Java, JSP, JQuery, MySql, Eclipse

Role: Developer

Duration: Feb 2013 – Aug 2013

Description:

Resort web application with resort room details and tariff, facilities, gallery with album, instant feedback and search engine optimized coding, inquiry page with back-end Management.

Project: Customized Website.

Client: Roftr, Coimbatore

Environment: Java, JSP, JQuery, MySql, Eclipse

Role: Developer

Duration: Aug 2012 – Jan 2013

Description:

Customized B2B website with restricted product listing pages - only for registered customers, SMS validation, and Masonry layout.

Technical Qualification

Programming Language	:	Core Java, JavaFX, JSP, VB, C#, Android, ABAP
Scripting Language	:	Java script, JQuery
Database	:	MS SQL, MySQL
Development Environment	:	Visual Studio, Eclipse, Android Studio and SAP
Operating System	:	Windows and Linux

Educational Qualification

Master of Computer Science and Engineering

*Passed in first class with **8.05** CGPA in 2015*

K.S.Rangasamy College of Technology, Tiruchengode.

Bachelor of Computer Science and Engineering

*Passed in first class with **7.26** CGPA in 2012*

K.S.R. College of Engineering, Tiruchengode.

Diploma in Computer Engineering

*Passed in first class with honours in 2009, **92.75%***

K.S.Rengasamy Institute of Technology, Tiruchengode.

SSLC

*Passed in first class with **66.45%**in 2006*

S.P.B. Matric. Hr. Sec. School, Tiruchengode.

Short Time Courses

- Completed the "Google Cloud Platform Fundamentals: Core Infrastructure" Conducted by Coursera Online Platform.
- Completed ABAP with SAP Netweaver.
- Completed the requirements for EMC Academic Associate, Cloud Infrastructure and Services certificate.
- Completed a course on MULTIMEDIA conducted by DOTE.
- Completed a course on LINUX ADMINISTRATION conducted by DOTE.

International Journals

- Published a paper "Optimization of Efficiency in ABAP Application Program based on Internal Table and Modularization Techniques", International Journal of Advanced and Innovative Research (IJAIR), Vol-6, Issue-1, March-2019, ISSN: 2348-1269.
- Published a paper "Agent based Cloud Computing", International Journal of Engineering Science and Computing (IJESC), Vol-7, Issue-3, March-2017, ISSN: 2321-3361.
- Published a paper "Big Data Solution for Improving Traffic Management System with Video Processing", International Journal of Engineering Science and Computing (IJESC), Vol-7, Issue-2, February-2017, ISSN: 2321-3361.
- Published a paper "Detection and Rectification of Distorted Fingerprints", International Journal of Advanced Research in Computer Science Engineering and Information Technology, Vol-4, Issue-3, March-2016, ISSN: 2321-3337.

International Conferences

- Presented a paper "Dual Server Keyword Search with Public Key Exchange using Keyboard Mapping Technique", International Conference on Recent Innovation in Engineering (ICRIETM), March-2019.

National Conferences

- Presented a paper "An Adaptive User Topic Analysis using Profile and Feedback on Twitter", National Conference on Technical Advancement in Engineering (NCTAE), March-2018.

Workshops and Seminars

- Participated in CSIR sponsored National Level Workshop on "Recent Development in Modelling of Biomedical Instrumentation Design using Molecular Dynamics (MD) and Monte Carlo (MC) Techniques" conducted by Vellar College of Engineering and Technology' from 11-07-2019 to 12-07-2019.

- Participated in CSIR sponsored National Level Seminar on "Contribution of Mathematical Models in Biomedical Imaging" conducted by Vellar College of Engineering and Technology' on 14-05-2019.

- Participated in One-Week Short Term Training Programme (STTP) through ICT mode on "Development of Laboratory Instruction and manual" conducted by National Institute of Technical Teachers' Training and Research, Kolkata from 04-April-2019 to 08-April-2019.

- Participated in Four-Week Faculty Development Programme (FDP) through ICT mode on "Use of ICT in Educational for Online and Blended Learning" conducted by Indian Institute of Technology, Bombay from 02-May-2016 to 10-July-2016.