Suryanarayanamurthy Hanumantha Vajjhala

Curriculum Vitae

"I am a Software Engineer in Berlin. I'm originally from Bangalore, India. I graduated in 2009. Since then I have worked on projects ranging from Mission critical Bosh Security systems to Sports teams management apps. I love Learning new technologies and harnessing technology to make new and exciting things."

Education

2013–2015 **M.Sc. Applied Computer Science**, *Heidelberg University of Applied Sciences*, *Major GPA 2.2,* Complete GPA 2.2.
Schwerpunkt Business Computing

2005–2009 **Bachelor of Engineering**, *Visvesvaraya Technological University*, Bangalore (India), *First Class*.
Branch; Computer Science & Engineering

Masters Thesis

Title *Backlog Management Tool*

Supervisors Prof.Dr.-Ing.Gerd Moeckel & Dr. Peter Misch

Description Worked in SAP SE, we analyze and try to understand what are the issues with Agile methodology for International Projects and what are the known issues with current tools used for project management. After that we discuss all the possible solutions and put together these solutions as detailed software requirements for a tool called "Backlog Management Tool", and develop a prototype for the tool as a HANA XS project.

Experience

Start-up

2016–present **Sportakus GMBH**, Technology Manager, Berlin – Germany.

At Sportakus we develop an app called "HelloCoach".

It's an app which is designed to helps Coaches to save time managing their sports team, it's current features include : organize events, coordinate meeting locations, see availabilities, track attendances, and much more.

Achievements:

- Successfully did the 1st release of this hybrid app for both platforms Android and iOS.
- Been part of a highly responsive technical team, which I believe is mainly responsible for the rapid growth of our user base.
  - **Technologies used**– Ionic framework with Cordova Plugins, Angular JS 1.x, Parse(Express.js based cloud server) for backend , MongoDB for database

Vocational

2014–2015 **SAP SE**, Werkstudent und These Studenten, St.Leon-Rot – Germany.

Here my job was to analyze on two topics, *Fraud management* and on *Agile methodology* for Banking and Finance Globalization department. I continued my research on Agile methodology and have done a thesis on this domain.

Achievements:

- Done a research on Agile methodology , and more specifically on Backlogs management .
- Developed a prototype HANA XS applications using HANA studio and SAP WEB IDE, for the tool "Backlog Management Tool".

Industrial

2011–2013 **Robert Bosch Engineering and Business Solutions Limited (RBEI)**, Senior software Engineer, Bangalore – India.

My tasks here was to Design and implement the features that met the user's requirements document. Used input from product management and marketing team to develop the functionality and overall look and feel of the applications to fulfill needs of customers.

Understood the code-review process and maintained good coding practices. Interacted with customers to clarify customer requirements.

I worked in different projects when I was at Bosch.

○ Bosch Security Systems:

I was involved in a team where we write configuration software to panels , so that these panels can communicate to all other safety detectors like "fire detectors", "smoke detectors", "heat sensor" etc, and can make intelligent decisions based on the signals sent by these detectors.

○ SWIFT:

I worked for a brief period of time in a project called SWIFT , this is a tool which flashes a given binary file which is in s28 format to the ROM of the wiper motors of cars.

Additionally for this project I developed automated Unit-test cases in Visual studio.

○ Planning Software:

This was a tool we started from the scratch. This tool was designed to be used by building architects to estimate the cost of the installation of fire security for their building plans .This project was particularly complicated because each fire security product will have some dependency on some other product and also we had to consider the availability of that product in a particular country because of the country regulations.

To Increase the usability of this complicated tool, we had to implement the tool which can give options for the products based on the localization settings and also show the products and settings previous used and worked for them.

Because of the challenges and demands of this project we were following Agile development process.

- **Technologies used–** C#, .net, WPF, WinForms, C, C++, MS-Access, sql, XML, IBM ClearCase, Microsoft Silverlight.

Start-up

2010–2011 **Pravagha automation pvt ltd**, Software Engineer, Bangalore – India.

Pravegha automation Pvt. Ltd. is the offshore development center for Sapphire Infotech, a California based startup to develop Sapphire's test automation solution called TestSmart.

Project Description:

TestSmart as a product is a test automation framework that provides an interactive user friendly graphical interface to automate test activities without programming/scripting knowledge. This is mainly targeted for networking domain.

○ **Technologies used–**

- WinForms application development using C# language on .net 4.0 framework with Visual Studio
- DevComponents – It's a third party UI library for .net which we used to provide the MS-Office like interface for the application.
- ActiveReports – It's a third party library for .net which is used for reporting. It was used in our tool to give a report on number of automated test-suits/test-cases passed or failed.
- MS-Access as database.

2009–2010 **Pragathi info tech** , Software Engineer, Bangalore – India.
Pragathi Infotech is a start-up product based company which developed products like:
○ Flex-Lab: Laboratory Information Management System for Clinical Labs.
○ Just Bill: General purpose billing software. Smart Money:Personal Money Manager.
        For the above projects I was involved in the Algorithm development for retrieving data in a particular format , UI Design , development of logic for serializing and deserializing objects etc,.
Finally I mainly done the entire end to end development of Project called Steganography;This project hides data file of one type (i.e. video, audio, text) into another file type. This project has lots of potential for the network security , the entire application was developed in WinForms ,C# language.

Certifications

2016	Machine Learning, Coursera Course Certificates, License Number: 29XN5VXS6KF8
2014	SAP Certified - Associate Business Foundation & Integration with SAP ERP 6.0 EHP5
2013	Microsoft Specialist–Programming in HTML5 with JavaScript and CSS3 Specialist
2013	Microsoft Certified Professional

Technical skills

Advanced	AngularJS, Ionic, NO-SQL (MongoDB), C#, WinForms, WPF.
Intermediate	express.js, python, Octave, SAP HANA, Unity 3D, Blender, Unreal Engine.
Basic	native Android development, Google App Engine, AWS.

Contact/ URL:

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