

CURRICULUM VITAE

Girish Kanakagiri
#402, A-wing, SaiRadha Empire,
chitpadi, Near: Ammanni Ramanna, Udupi

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Professional Qualification:

- ◆ BE Electronics & Communications at BMS Engineering college from VTU
- ◆ Advanced Diploma in Computer Applications “A” Level
DOEACC
(Ministry of Information Technology, Govt. of India)
- ◆ Diploma in Electronics and Communication Engg

Computer Course:

Diploma in Information and Systems Management at Aptech
Computer education Gulbarga (First Class with Distinction)

Key strength:

- Strong in OOAD.
- Strong in written and verbal communication.
- Major Key skill is **C++** on **UNIX** environment and also on windows environment (Visual studio).
- Python, **Oracle**, **Infomix**.
- Strong in Scripting languages: PHP, Shell script, Perl, JavaScript
- Json, Micro-Services, XML, Jenkins, Jira, Git, Bit-Bucket
- Tools: Putty, WinScp.

Work Experience:

Experience: 10 Years 10 months

Achievements :

- Received award for resolving project critical issues for C++ applications at Accenture.
- Performed SME review for C / C++ Applications at Accenture
- Received client appreciation at Accenture
- Received award at Tech Mahindra for optimization of performance in MAC filtering for IPF (Intrusive prevention firewall)

Presently working for Brillio Technologies from Dec 2022 to Till date. Working for Migration Project From Solaris 10 to Solaris 11.4 & JDK 1.7 to JDK 1.8. Working as a Team Lead to take care all C++ Applications & their configurations to achieve the expectation.

Worked for Wipro through contract company Scoop technologies. Pay Roll Company is Scoop Technologies. Mainly worked as a Team Lead & Individual Contributor for Back End Business Logic. It is for PayMent Domain In C and C++. Worked here from May 2021 to Dec 2022.

As a technical Lead for Software development.

Worked at **Accenture** from July 2010 to Dec 2012.

Mobile Billing: Presently leading a team of 5 members. Involved completely in technical development. Worked with team to make the finer path for meeting deadlines for every single delivery. worked with team on C, C++, Unix, PRO*C, SQL with 9 different Applications of Billing simultaneously.

Worked at tech mahindra from Jan 2008 to June 2010.

Here I worked on development of IPF, Intrusive prevention firewall for iPolicy Networks, which got merged with Tech Mahindra.

Prior to the above I have worked on Data com in ASE development at Tech Mahindra Bangalore. **From Jan 2008 to Feb 2009**

ASE (Analysis service element) which is connected between Service provider's edge router & user's router. It does the analysis of network data flow and provides statistics to confirm with SLA stated by the service provider. Through SNMP the data is collected from ASE to VPM application. VPM provides different statistical analysis of the data through pictorial notations (By providing graph & many more).

- Organization : Accenture Bangalore

Duration : July 2010 to Dec 2012
Designation : Team Leader
Division : Telecom Billing
(Application Development)
[also worked as contract engnr from
Apr 2005 to Oct 2005 at Accenture earlier]

- Organization : TechMahindra Bangalore
Duration : January 2008 to till Jun 2010
Designation : Team Leader
Division : Fluke Networks

- Organization : Infinite Computer Solutions
Duration : October 2005 to May 2007
Designation : Senior software Engineer
Division : Software Development

- Organization : Aspect Development India Pvt. Ltd.,
i2 Technologies, Bangalore
Duration : January 2000 to April 2001
Designation : Asst. Component Engineer
Division : Content Operation

Aspect is providing Electronic component Information, through which integrated information about parts & Designs is made available to users at their desktops.

The job includes Analysis of electronic circuits based on their functionality and Application, also Classification of Electronic Devices and Circuits into various classes as per the Standard Hierarchy provided by Aspect. This keeps me Updated with every new electronic Component and its design released by the Manufacturers from worldwide.

My Role: Processing of this data in UNIX by using C++ as the programming language and also writing shell scripts, awk

At Bharat Electronics, I have developed many user interfaces in C and C++.

Worked at Adarsh Solutions & also with SSG (Staff Supplementation Group)

Projects Profile:

Present project at wipro : it is for entertainment domain & is for purely application development in C++ on windows environment.

Project: Telecom Billing at Accenture

It is a Prepaid Mobile billing. Here CDR is up loaded to RDBMS & through the Application Interface requests are serviced. The application has certain Business rules to process as per the client needs & to provide some additional features as required. There will be option to set the billing cycle so that automated bills are generated through scheduler. The output applications are responsible for generating the Bills. Entire Software Application is in C++ with which I have worked. There are other wings, which works for some applications in Java.

Previous Projects

1. March 2009 – June 2010

Project Title – ipolicy Security Manager (this is core part of Intrusive prevention firewall)

- This ISM application has implementation of following.
 - It has GSA, Global security administrator with mainly all processing logic and also manages the information storage for which it has Oracle database. ISM also has GSI, Graphical security interface with which user will have all provision to configure the ISM & make all the operations of his choice through this interface. Here GSA and GSI communicate with each other through socket connectivity. There will be message exchanges between these two major components for which there is a predefined message format.
 - The above intelligence which is ISM will be used by physical ipf.
 - Design, development, testing of GSA. GSA is developed completely in C++. There will be policies; set of rules for

firewall which is processed by GSA based on the input from GSI. Oracle database is used as back end for processing & storing information for retaining current state of the objects.

Role: Lead Developer

Contributions:

- Worked for IDS (Intrusive detection system) Catalog to perform complete IDS configuration and also implemented the critical part of it which is Attack signature search. Done all this back end implementation without any support with whole contribution by me alone.
- As an individual contributor, worked for detail design implementation of GSA for MAC Filtering
- Unit testing and system testing of GSA
- Recently worked on alert generation individually for Mac-Address overlapping with given mac-mask which generates range of mac-addresses.
- Worked to deliver the ISM with these features: Wireless, DHCP and Mac Filtering
- Completed Design phase for back end of Traffic shaping requirement by retaining older profile and preparing new catalogs for all the Defense Mechanisms. Traffic was earlier either allowed or rejected for the selected configuration but now it will be shaped i.e. traffic will be controlled based on specifications provided by user and now all the rules can be attached with their own defense mechanism catalog & hence it may be restricted with source & destination zone.

Environment: C, C++, Windows, Unix, Oracle

Tools: Microsoft Visual source safe as version control (code base), Microsoft Visual C++ editor as IDE

Project title: Visual Networks

Team Size: Six

Duration: Ten months

Domain: Data communication

Language: C++

Environment: Unix

Development Tools: Source Insight, Code writer

Version control: Clear Case

Role: As an individual contributor to the team. Worked for Data integrity test. Worked for AT&T PFRs (Product feature requests). Reflector functionality design and development of WAN ASEs. Regression testing with test automation tool Asist.

Project title: Work force management

Team Size: Six

Duration: five months

Domain: Staffing optimization

Language: C++

This project was used by Variant System. It is providing work force optimization. It is used for staffing and for work allocation. It is used to manage the data by generating the reports with metrics format and graphs.

My Role (with a team size of 4) of the WFM –

- Responsible for developing user administration, Bugfixing
- Developing Application Components using C++
- Using API's for SQL Server operations
- Implementing Business logics with C++

Project title: Logic

Team Size: Six

Duration: twelve months

Domain: Telecom

Language: C++

It is an inventory control and management web application with different access rights for different users.

As a Senior Software Engineer, I was involved in the following

- Designing, implementing and unit testing the same with C++ on Unix environment
- Releasing it to the client

Project title: Galaxy

Team Size: Ten

Duration: Seven months

Domain: Telecom
Language: C++
Environment: Unix Sun Solaris
Design Tool: Rational rose
Role: As a Senior Software Engineer I am extensively worked for the development of ROS application. I had involved in analysis, design, development and code reviews.

Extensively used debugger tool is Workshop.
Version control tool is harvest.

Synopsis:

This project aims at facilitating the client with his telecom activities for putting in his orders and processing his orders thro this application. I am fully involved in server side development. The major task is to automate the process of providing the services to the client. This is entirely based on **OOPS**.

Other projects on which I worked end to end are namely **Metro Ethernet** and **Virtual Ethernet**.

Project Title	: Preferred Customer Information
Client	: Customers of i2 Technologies
Team size	: 18
Duration	: 7 months
Language	: Awk, Shell scripting
Operating System	: UNIX
My Role	: Writing Awk Program and shell scripts in UNIX

Synopsis :

This is about the collection of Information required to clients from our database and also handling the complete information according to the presentation specification and there by shipping this information to our customers.

Skill set:

Assembly Level Language : Intel 8085, 8086, 8255.
Operating System : **UNIX**, Dos, Windows NT,
Novell Netware.
Programming Languages : **C, C++**, Core Java, **Python**,
JavaScript, Basic, Fortran.
DBMS : **FoxPro**, D-base 5, SQL
RDBMS : **Oracle**
Packages : Visual Studio, **MS-Office**, AutoCAD.
Markup Languages : **HTML**, DHTML, **CSS**
Tools : JIRA, Jenkins, Git, BitBucket

Personal profile:

Father name : Venkat rao
Sex : male
Marital Status: Bachelor
Nationality : **Indian**
Passport No : N9747690
Pancard No : AQCPK1007H