

K-3/22, DLF City Phase 2, Gurgaon  
Haryana -122002, India

[g.sarwal@gmail.com](mailto:g.sarwal@gmail.com)  
[www.girishsarwal.me](http://www.girishsarwal.me)  
[www.linkedin.com/in/girishsarwal](https://www.linkedin.com/in/girishsarwal)



M.B.A (I.T. Solns. Mktg.) - 2006  
B.Tech (C.S) - M.D.U - 2003  
XII - CBSE - 1999  
X - CBSE - 1996

## FUNCTIONAL EXPERTISE

### Organizational Infrastructure

IT backbones, Business Networks and Communications. SOA. Data Analysis, Team Management/Development, Hiring.

### 3D Graphics Development

3D fundamentals. Parallel processing with GPUs. Computer and Console Gaming, AI for autonomous agents, FSM, Planning Systems and Decision trees. Component Systems, Goal Oriented Action Planning, DLC packaging.

### AI & ML

Classification and Categorization, Supervised/Unsup learning, Data Modelling, Image Processing, IBM Watson

### Process Automation

Cloud Computing, DevOps, Cloud Solutionizing and Cost Optimization

### Robotics and Electronics

Analog and Digital Electronics. Signal analysis and function generation. Microcontroller and FPGA programming.

### Process and Quality Management

CMM KPA's, AGILE and XGP. ISO level III processes. 360 degree workflows, SOPs for process alignment, GDPR, HIPAA, PII, PHI, Electronic Medical Records (EMR)

GIRISH SARWAL

+91-9711198629

+91-9560797982

## SUMMARY

## 18+ Years Experience

I have 18 years of cross functional enterprise experience in **Product Engineering, Technology Capability Development, Human Resourcing + Training, Planning + Strategy**, and **Customer Servicing**.

My skill set lies in **Graphics and 3-D Development, Fullstack Web and Mobile Product Development, Artificial Intelligence, IoT + Hardware Interfacing**, and **Process Automation**.

My industrial domain knowledge is in **Healthcare, Virtual Reality, Artificial Intelligence, Sports, Automation Control Systems, Manufacturing** and **Corpo-Legal Document Management**.

I'm an avid **Electronics Hobbyist, Aeromodeller, Drummer** and a **Trainer**

## HIGHLIGHTS

**Architecting enterprise technical structures** across diverse functions, using technology.

Setting up **new teams, team leading** and **mentorship**

**Solutionizing architectures** and **planning implementation strategies**.

**Customer Engagement** and **Success Management**

**Structured technological approach** and working methods. Believe In "It works very well!" more than "It works!".

**Research and design** oriented.

**Process oriented** and **documentation oriented**..

**Self challenging** and **virally motivational** for Teams.

**Resource Development** and **Training**

Prefer to work with people and co-workers, not resources!

## TECHNICAL SKILL SET

### Operating Systems

Linux (Debian+), Microsoft Windows, Google Android, MACOS

### Programming Languages and SDKs

C++, Javascript, Python, .NET languages (VB.NET, VC, C#, ASP.NET), WPF/WCF/Silverlight, PHP, Classic ASP, VC++ 6.0 (Win32 SDK), Visual Basic 6.0, Java (J2SE, JSP, Servlets)

### Game Engines and Technologies

CryENGINE, Amazon Lumberyard, Unity 3D, AppGameKit, MS DirectX 9.0c, OpenGL, Vulkan, Unity, CryTEK, UDK, ShaderLab, GLSL, WebGL, Three.js, Phaser.io, Oculus Rift, Samsung GEAR

### Frameworks

Laravel, Angular, Bootstrap, Ionic Cordova

### Embedded and Hardware Systems

INTEL x86/x64, ARM, RPi, STM32, ATME1, PIC, Z-80, Arduino, NodeMCU, Espressif

### App + Mobile Development and Databasing

HTML5, XML, YAML, MySQL, Microsoft SQL Server, NoSQL, Mongo, DynamoDB, Ionic Cordova, Navision Attain Database, ERWin, Kinvey

### Content Development

3D Studio Max, Google SketchUp, Adobe Photoshop, ActionScripting

### Virtualization, Cloud and DevOps

Cygwin, Mingw, Oracle Virtual Box, Vagrant, Kubernetes, Docker, Terraform, Ansible, Platform.sh, AWS (EC2, ECS, S3, CloudFront, CloudWatch, Lambda, Dynamo, Cognito, CFT), Microsoft Azure, Google Android Play store, Apple AppStore, SVN, GIT (Core + BitBucket + GitHub) Pipelines.

### ERP

SAP R/3 4.7e - ABAP, MBS Navision Attain 3.60, Damgaard Axapta 4.0 (Now Microsoft Navision)

### Technologies/Software Packages

.NET Remoting, COM, ActiveX, MS Office, Visio, Project, UML Modelling, AJAX, SAS 8.2, Office 365, REST, SOAP, OAuth 1.0 and 2.0

### Logical Reasoning and Mathematics

3D Geometry, Spatial Transformations, Trigonometry, Laws of Physics, Set theory, Finite State Automata Data Structures, Algorithm Design, Differential and Integral calculus.

## PROFESSIONAL ENGAGEMENTS

June 24, 2017 - Till Date  
Glued Tomatoes Gaming Studios (Self Employed)  
Founder



### customer engagements



[contractpod](#) [solo-group](#) [returnsafe](#) [ticketmaster](#)

Oct 01, 2018 - Oct 31, 2019  
Progress Software Pvt. Ltd., Hyderabad (WFH)  
Solutions Architect



June 24, 2017 - April 30, 2020  
ContractPod AI Solutions Pvt. Ltd., Mumbai (WFH)  
Vice President - Innovation and Technology



Dec 2014 - Jun 23, 2017  
Ticketmaster India/ IOMEDIA India Pvt. Ltd. - Gurgaon  
Studio Lead



Dec 2009 - Oct 2014  
Sovereign Health India Pvt. Ltd. - Gurgaon  
Software Knowledge Officer



Dec 2007 - Jul 2009  
Nagarro Software Pvt. Ltd. - Pennsylvania, USA  
Technical Architect



May 2007 - Dec 2007  
The Cognition Group - Gurgaon  
Technical Lead



Jun 2003 - May 2007  
Various Organizations



Cogtest Services Pvt. Ltd. - Technical Lead  
Nagarro Software Pvt. Ltd. - Software Developer  
TS Cognition Services Pvt. Ltd. - Senior Computer Scientist  
Visesh Infotecnics - Software Engineer  
FutureScape Netcom Pvt. Ltd. - Specialist Projects  
NovaSoft UK - Trainee - Projects



Details of technical project undertaken, and relevant references are available on request.