

# SURENDRA GUPTA

## Basic Information

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## Summary

14 years of experience as a Sr. Frontend (4 YEARS) and Backend developer, Tech Lead in Enterprise - level implementation of the Software Development Life-Cycle (SDLC), including Architecture, Functional and Technical design, Development, Implementation and Support.

### Working as **Blockchain** Developer last 1 year and working in **ethereum** and **HYPERLEDGER** Frameowrk

- Diverse experience utilizing tools in N-tier and Microservices architecture applications and Frontend Microservices using Netflix OSS components(Eureka, Zuul, Hystrix), Pivotal Cloud Fundry, AWS, Rabbit MQ, Kafka, Zookeeper, Cassandra, My SQL, Restful Web Services
- Strong experience in RDBMS using Oracle, SQL Server, schema development, PL-SQL programming, including experience in utilizing SQL Loader utility MySQL & MySQL replication setup.
- Expert level exp in AnjularJS, Node.js ReactJS Bootstrap , Jquery , VUE.js REACT NATIVE , Frontend Microservices integration
- Complete Understanding and hands on experience in Agile development methodologies.
- Strong analysis and design expertise in implementation of Financial, Insurance, Telecom, Health Care Retail, and CRM Applications.
- Hands on experience with the Express JS and Node JS framework which are used to build the single web page application.
- Extensive experience with jQuery, NodeJS, Bootstrap, Backbone.js, AngularJS, and Knockout
- **Backend Development** : Specialist in modelling and development of hybrid-technology applications using the most recent and powerful technologies like PYTHON,ASP.NET,C#,VB.NET JavaScript, REST , Oauth , PHP, C ANSI, C++, Hadoop, MongoDB, Redis, Memcached and etc.
- Good understanding/knowledge of Hadoop/ Mapper/Reduce/HDFS Framework Architecture, NoSQL and Marklogic securities.
- Solid experience in implementing applications for global operations in diverse industries using Design Patterns e.g. MVC, Factory, Session Façade and DAO.
- Familiarity with EAI tools like, TIBCO BW (Business Works), TIBCO Enterprise Messaging Service for JMS TIBCO Administration, IBM MQ Series, Rabbit MQ, Kafka and Apache Camel.

- Strong work experience in Web based application development, Database programming, distributed computing, Server side programming and Client Server computing in multi-threaded software systems using Java and XML parsing.
- Strong experience in Object Oriented Programming (OOP), Object Oriented Analysis and Design (OOAD).
- A very good knack for streamlining and optimizing processes and Data Base SQL Queries, also involved in writing PL/SQL, Stored Procedures.
- Proven background for leading teams in stressful, deadline-oriented environments.
- Excellent communication, interpersonal and presentation skills. Self-starter, customer focused.

### **R& D Level Skills:**

- Blockchain-enabled know Your Customer (KYC)
  1. Familiarity with basic cryptography
  2. Familiarity with P2P networks
  3. Strong knowledge of decentralized applications , Ethereum, HyperLedger framework
- Artificial Intelligence (AI), Machine Learning (ML) [Python, Swift ,Julia ]
- Robotic Process Automation (RPA)
- Predictive analytics, AI, ML
- Blockchain, RPA, Visualisation, Blockchain-enabled smart contracts

## **Work Experience**

### **SATARCHY SOFTWARE SOLUTIONS (P) LTD**

#### **REAL ESTATE SMART CONTRACTS MANAGEMENT (Hyper Ledger Block chain)**

(Under Development)

Main objective of project is manage REAL ESTATE Contracts documents and secure them in Private Network.

Responsible for designing, implementing, and supporting a distributed blockchain-based network using Hyperledger Framework for Private network

**Skills : Hyper ledger, node.js , Docker , React, Anjular.js**

*Software Architect (Feb 2005 - Actually)*

As a Software Architect (Product Architect), I got to tackle the challenges in the product team, getting the best of way of solving architectural problems in service-oriented and micro-services architecture, doing:

**Project: Forex Web Trading Platform (Duration: 40 Months)(www.skydeks.com)**

Sr.Developer for SKYDESK Forex trading web platform, Skydesks “Trading in the Cloud” MT4 / MT5 solution is a scalable web portal built upon the latest cloud technologies and featuring unique and innovative services for the Forex community.

Application developed on micro services technology, Complete GUI part develop in React , Angular.Js and service part develop in PHP and business Library was develop in SO Library (Shared Object)., which was developed in the C++, Linux Library.

Skydesks can automatically replicate it's architecture in cloud data-centers across the world, allowing set up of VPS services in proximity to broker servers.

**Role:** As Team Leader, Programmer I was responsible for the FRONTEND and BACK END part development in PHP, Business Library development and develop modules in Micro services protocol, we follow SCRUM business model in development.

**Skills:** PHP , Anjular.JS, React, jQuery, Mysql , MT4 , C++ ,

**Project: Cloud Controller (InContinuum – Netherlands (2017)):**

**Sr. CONSULTANT** for the Cloud Controller Product, InContinuum develops innovative end-to-end management technologies to enable organizations of all sizes in Private, Public and Hybrid/Multi cloud computing environments to automate and control the configuration, delivery and use of cloud-based managed services.

Automate and control the design, delivery, deployment, and management of virtualized server, data protection & network services from cloud-enabled enterprise IT infrastructures that are integrated to back-office business support systems, and securely service multiple levels of customers across the cloud computing landscape"

- Complexity analysis of product architectural design in ASP.NET, C#, MS-SQL server
- **Writing and troubleshooting SQL Code** and design stored procs, functions, tables, views, triggers, indexes, constraints and in in troubleshooting and resolving database integrity issues, performance issues, connectivity issues, security issues.
- Documentation of product processes and integrations in a micro-services ecosystem
- Design of APIs for services intercommunication, both for internal and external integrations
- Automating Deployment : Kubernetes,
- Automates software provisioning, configuration management – Puppet, Ansible

The CloudController Network Virtualization module has been designed to support any SDN / NFV Infrastructure, just as CloudController IaaS workflows integrate with any on-premise hypervisor platform or hyperscale public cloud service.

**Skills:** ASP.NET, C# , MVC, MTS , Anjular.js , MS-SQL SERVER

## **NETSITY SYSTEMS LTD.**

*Lead Backend Engineer (Jan 2001 - Jan 2005)*

As a Backend Lead Engineer, I started to coordinate the backend design and development of our team, being responsible for:

- Design and develop the base backend architecture of company products
- Research for the technologies to be used in the backend stack
- Analysis of cost and time to implement new features on the e-commerce platform
- Organize and delegate tasks by priority to the backend team
- Design, develop and grow the platform integrations keeping a relationship with company partners

**Skills:** Anjular.js, PHP , Bootstrap , Mysql Server , C++ ,

## **Indian Institute of Technology, DELHI**

*Programmer (Dec 2000 - Jan 2001)*

The main objective of this project is to develop a state level spatial decision support tool by creating an integrated database on handicraft survey and census data for resource planning and program evaluation. This spatial support system helps the commission office of handicrafts in the following areas:

- The essential responsibility was to design the application and develop components for viewing different maps on different conditions.
- Develop and maintain an MVP
- Preparing the System requirement specifications Recognition and development of middle tier components implementing the business rules and testing their implementation

**Skills:** Anjular.js, PHP , Bootstrap , Mysql Server ,MapObject, ArcInfor , c++

## **Education**

### **Bachelor Degree**

*Rajasthan University, Jaipur [1997]*

### **CIC Certification Program FROM IGNOU**

*Microsoft Certified Developer - VB*

## Information Technology

*Diploma in Computer Engineering – Excel Infotech [2Years ]*

## Technical Background

- Automates Deployment– Puppet, Ansible, Kubernetes [Rancher is enterprise Management Framework], Docker, AWS Lambda
- Programming/Scripting Languages (separated by proficiency):
  - Advanced: C Ansi, C++, PHP, JavaScript, CSS, NodeJS, Shell Script, ActionScript
  - Intermediate: Java, Python, Objective Pascal, Hack (Facebook's Programming Language)
  - Basic: Ruby
  - Microsoft : ASP.NET,VB.NET,MVC ,C# ,
- Frameworks and Tools (separated by language/technology):
  - PHP: Zend Framework 1&2, Symfony 2&3, Silex, CodeIgniter, Slim, Laravel, Doctrine, **PHP Core Extension Development**
  - JavaScript: jQuery, BackboneJS (Marionette), AngularJS
  - CSS: Less
  - NodeJS: ExpressJS, KrakenJS, SailsJS, Socket.io
  - Hybrid Mobile Development: SenchaTouch, PhoneGap, Ionic, React Native
  - Python: Django, NumPy, SciPy
  - Ruby: Rails
- Database and Object Storages: MySQL, SQL Server, PostgreSQL, MongoDB, DynamoDB, Cassandra, Redis, Memcached
- Operating Systems: Linux, OSX, Windows
- Web Servers: Apache, NGINX, IIS, NodeJS, PHP Built-in WebServer
- Versioning: GIT and SVN
- Infrastructure: AWS, Azure, Google AppEngine and Google Cloud Platform
- Methodologies and Patterns: RESTful, OAuth, JSON, XML, OOP, SOLID, Design Patterns, Self-Documenting, Scrum, XP, Continuous Integration, Continuous Delivery, TDD, BDD
- Plus Experience: API Design, Scalable Software Architecture, Cloud Infrastructure Engineering, SaaS, PaaS, IaaS, Microservices Architecture, Distributed Software Architecture.
- Proficient in using AJAX for implementing dynamic Web Pages where the content was fetched via API calls and updated the DOM (JSON Parsing),OAuth2 , REST , CURL.
- Have expertise in using various SDLC models like Waterfall, Agile Scrum process with Jira and Sprint Planning
- Expertise in testing and debugging new programs using Firebug, Fiddler and Developer tools.
- Open Source CMS Customization: Wordpress, Drupal 8.0/7.0 , Joomla , Oscommerce.
- Extensive experience in SQL, PL/SQL programming, stored procedures, triggers and Query optimization, also written queries for insert, update and modification operations. Performed database normalization and optimization using database tools.

- Expertise in creating Conceptual Data Models, Process/Data Flow Diagrams, Use Case Diagrams, Class Diagrams, State Diagrams, Sequence Diagrams & Activity Diagrams.
- Expertise in ERPNEXT, Frappe, ErpNext POS restaurant module customization (Account, HR, Inventory, VOIP), Theme design and customization.
- Expert in Mobile Application developer [ ANDRIOD , IPHONE ].
- Experience with Data Modeling tools such as Visual Modeler, Rational Rose98m Design Pattern and Microsoft Visio (Data Base Designing tool), RDBMS such as SQL Server7.0 /2000 and Oracle7.0/Mysql,MS-Biztalk Server.
- Extensive experience in GIS Tools. I have used 3rd Party ActiveX Control MapObject2.0 (GIS Tool) and worked with MapInfo/AutoCAD R14/ArchView Software. Experience in VC++, Windows SDK, and Print Spooler SDK, WMI (Windows Management Instrumentation), ADSI, Event log SDK, Printing Language (PCL).
- Exp with OpenEMR and setup HL7 and DICOM Viwer, and develop 3d application from OPENGL