

# Kuldeep Saxena

## Contact Details

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A highly passionate and dedicated person, love executing projects to products. I have experience of 15+ years in designing, developing and executing large scale softwares.

### Specialties

- Well versed with OOP, UML
- Design Patterns and Anti Patterns
- Java
- Microservices
- Leading and Executing projects to production
- Designing and developing scalable and high-performance applications
- Solution Architecture
- Cloud Infrastructure

### Domains

- Finance (Stock Market)
- E-commerce

### Professional Experience

- Working with [Paxcel Technologies Pvt. Ltd, Gurgaon](#) from March, 2007 to till date.
- Worked with IBM India (P) LTD, November 2006 to March 2007.
- Worked with IIT, Kanpur, Kanpur [March 2005 to November 2006]
- **Freelancing work, Kanpur [August 2002 to March 2005]**

### Technical Skills

Java, OOPs, Microservices, Design Patterns, Anti Patterns, Microservices Design Patterns, UML, AWS Cloud , Threading, DevOps, CI/CD, OS, Security, Data Structures, Computer Networks, Distributed Applications, REST, NIO, Ant, Maven, Tomcat, Containerization, Apache Kafka, ElasticSearch, AWS Technologies/Services (Lambda, S3, RDS, SNS, SES, SQS, API Gateway, Dynamodb, Elasticache, Code Pipeline, ECS, Kinesis)

### Product/Research work other than client projects

- MindSri - a mind mapping tool developed in Paxcel Technology
- Various repositories at git hub (<https://github.com/saxenaknp>)
- Blogs at <http://paxcel.net/blog/author/kuldeep-saxena/>
- White Paper on Hadoop's HDFS file system (<http://india.paxcel.net:6060/LargeDataMatters/wp-content/uploads/2010/09/HDFS1.pdf>)
- White Paper on Java Garbage Collections Algorithms and its usage in different situations
- Expert's corner posts over Yammer (Internal knowledge sharing network)

### Education Summary

- 'DOEACC' – B Level (eq. M.C.A. - 2002 pass out) from DOEACC, New Delhi.
- Bachelor of Commerce (B.Com. – 2000 pass out) from, H.S.D. College, Kanpur University, Kanpur (U.P.).

- Higher Secondary (10+2- 1997 pass out) from B.N.S.D. Inter College, Kanpur, U. P. Board.
- High School (10<sup>th</sup> – 1995 pass out) from B.N.S.D. Inter College, Kanpur, U. P. Board.

## Personal Information

Name           Kuldeep Saxena  
 Marital Status   Married  
 DOB            15<sup>th</sup> October 1979

## Client Projects (Recent First)

1. Project Name   US Stock Market Trading Platform (Technical Algorithms implementation)  
 Client           US Based  
 Domain          Finance  
 Team Size       6  
 Duration        1 year 5 Months  
 S/W Platform    Java, Apache tomcat, Redis, Mysql, NIO, Java FX, D3, HTML, JS, Netty,

Project Synopsis –

This is a finance market project which scans real time market data in addition of historic data to generate trade alerts using proprietary algorithms provided by client.

Roles/Responsibilities

- Architect/Design, Development, Code Review, Requirement Gathering, Project Estimation

2. Project Name   Portfolio Management  
 Client           US Based  
 Domain          Finance  
 Team Size       4  
 Duration        3 months  
 S/W Platform    Node.js, Mysql

Project Synopsis -

This project focus on user's portfolio management. Using the Portal fund managers and fund houses can manage end user's portfolios. Fund managers can adjust user portfolio by doing trade from the platform itself, publish their models (which can be applied to portfolios), Strategists can publish/market their models which can be used by different fund houses.

I managed one of the portal of this project which I executed in parallel to Project mentioned above.

Roles/Responsibilities

- Lead

3. Project Name   E-geneie

Client Paxcom India  
Domain E-commerce  
Team Size 7  
Duration 1 Year 3 months  
S/W Platform Java, Apache Tomcat, Node.js, Mysql, Java Script

#### Project Synopsis -

This is a product used to integrate with different Indian e-commerce marketplace providing user single platform to work and sell on different marketplaces. Features includes inventory management, order management, return management, dispute management, actions which need seller attention, account reconciliation, automatic inventory distribution.

#### Roles/Responsibilities

- Architect, Project Manager, Product Owner, Project Execution, Technical Consultancy, Design, Development, Planning, Guidance to team and Customer interaction.

4. Project Name Online Video Contents delivery using Cash Cards  
Client Singapore Based  
Team Size 6  
Duration 5 months  
S/W Platform Java, Tomcat, Mysql, Grails, AWS

#### Project Synopsis -

Client sells cash cards to end user to view digital contents on their portal. It has integration with different types of content providers like sports, TV shows, movies etc.

#### Roles/Responsibilities

- Architect, Technical Consultancy, Design, Development, Planning, Guidance to team

5. Project Name Paxcom  
Client Paxcom  
Team Size 12  
Duration 5 months  
S/W Platform Java, Ofbiz

#### Project Synopsis -

This project is all about implementation of mirchimart.com (owned in partnership by paxcel technologies pvt.ltd.). My work was related to marketplaces implementation for mirchimart, where it provides integration with different marketplace provider.

#### Roles/Responsibilities

- Architect, Development, Technical Consultancy, Planning, Guidance to team and ensuring quality of development.

6. Project Name MEAP Deployment  
Client Software Consulting MNC  
Team Size 3  
Duration 10 months  
S/W Platform IBM - Worklight, WAS, WSRR, Data Power

## Project Synopsis -

This is a B2E MEAP application. Application(s) was already developed for web interface, our role was to design solution architecture on mobile platform using IBM products like Worklight, Websphere, WSRR, and IBM Data Power

### Roles/Responsibilities

- Architect, Technical Consultancy, Planning, Guidance to team and Client interaction.

7. Project Name Ad platform for Video content  
Client US Based Client  
Team Size 15  
Duration 11 months  
S/W Platform Grails, Java, Redis, ActiveMQ, Tomcat, MySQL, Netty, VAST

### Project Synopsis -

- Web-based, self-service platform that allows advertisers to quickly find content that's hot and relevant to their target audience.
- Helps advertisers to easily place hyper-targeted video ads and mobile coupons around individual content skus.
- Helps content companies and publishers monetize both content consumption and the social interaction driving it.
- A rich data analytics engine that provides content publishers with a real-time, auction-based media buying platform around their syndicated web and mobile content.

### Responsibilities

- Architect, Development, Technical Consultancy, Team management, guidance and deployment
- Spearheaded the project including project execution, client communication, team management, guidance, design, development and deployment
- Various complex components were designed and developed

8. Project Name Centralized Retry  
Client US based  
Team Size 1  
Duration 2 months  
S/W Platform MYSQL, Java

### Project Synopsis -

Work was related to create a centralized retry process for existing mobile gateway application of our client. Existing implementation has retry process on individual SMS gateway nodes with FIFO based retry of failed SMS. The goal was to work on a centralized retry process to allow SMS retry to be monitored, managed, controlled by single process and forward retry messages to different nodes by using different metrics like current load, waiting responses, and system capabilities etc. on node to provide load balancing.

### Responsibilities

- Lead, Design, Development and Technical Consultancy
- Did all parts of project execution including client communication, design, development and deployment
- Monitoring and management of retry process was a tricky part which expected process to be paused/resumed/restart at runtime. To provide such functionalities, created reusable component (MXExecutor) to pause/resume/start/stop any threads of application at runtime which we also used in various other projects.

9. Project Name Utilipay  
Client US based  
Team Size 2  
Duration 3 months  
S/W Platform Java, JSMPP, Rest

Project Synopsis -

Project concentrates over providing notification and bill payment from user mobile for different merchants registered.

Role/Responsibilities

- Design, Document and development

10. Project Name Stock Market Data Provider  
Client QUODD  
Team Size 6  
Duration 3 years 4 months  
S/W Platform Java, JMS, EJB, Struts, NIO, Swings, JBoss, Tomcat

Project Synopsis -

A comprehensive workstation designed for the financial investment professional that offers a complete set of market data services and information bundled into a single desktop solution. Few of the complexity includes -

- Application requires 24\*7 uptime
- Application processes real time stock market data which is very large in volume and speed

Role/ Responsibilities

- Analysis the system requirement specifications, designing, development, testing and support
- Design, technical consultancy, development, deployment, support and guidance
- Delivered various components of application in quick time, and provided good design to process large amount of data in timely manner

11. Project Name Bharti Airtel  
Client Bharti Airtel, India  
Duration 5 month  
Team Size 8  
S/W Platform Oracle

Role/ Responsibilities

- Monitor and manage rating and roaming process of postpaid mobile billing.

12. Project Name Portable Health care system (Sehat Saathi)  
Client Media Lab Asia, Delhi  
Team Size 10  
Duration 1 year 9 months  
S/W Platform Java, JAI, RMI, JMF, Swings, MYSQL  
Role/ Responsibilities Design, Document, Development, Deployment

Project Synopsis -

The Project is initiated and funded by Ministry of Information technology, India on the course to provide Primary Health Care facility to the people of remote rural areas and thus to eliminate the role of hazardous quacks.

Responsibilities

- Design, Document, Development and Deployment of application

13. Free lancing work experience

Done various small projects as a freelancer. Mainly of small business shops and schools in my home town.

Duration        2 year 7 months

I vouch for the authenticity of facts mentioned above.

Kuldeep Saxena