



# Shiv Bansal

## Software Developer

3 Years hands-on experience in specializing object oriented approaches in full life cycle of software development process. Able to analyse code and engineer well-researched, cost effective and responsive solutions for scalable multi-layered web applications.

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## Experience

### Samsung (2017)

Software Developer

Backend Development for Samsung USA ecommerce website

<https://www.samsung.com/us/>

**Technology Used:** Java, JavaScript, NodeJS, MongoDB, MySQL

### BSB/Bharti Softbank (2016-2017)

Full Stack Developer

Full Stack Development for Airtel Global Business Portal (Phase I) from scratch.

International Client can purchase various packs like Data, Voice, SMS according to their requirement.

**Technology used:** Angular 4 with typescript, Webpack 2, Spring Boot Framework

#### Concepts Implemented:

Front-end: Scalable Design, routing to URLs based on authentication and authorization, tree-shaking of unused libs, lazy loading of modules which are rarely used.

Back-end: Micro-services based Architecture, Token based authentication.

Add and Modify new and old APIs according to business requirements of MyAirtel App as a backend developer and functionality of Airtel Myplan, Airtel Surprise Offers, Airtel Secure.

**Technology used:** Java, Amazon S3, Spring, MongoDB

### Accenture Services Pvt Ltd: (2014-2016)

Java Developer

Worked as a java developer for developing channels of customer care & offers for customers of Telecom Italia.

**Technology used:** Java, Struts, Spring MVC, Servlets, JSP, Hibernate, Oracle (SQL), WebService Calls, HTML, JavaScript, AJAX

Development of internal projects of Delivery Unit

1. Backend of Fantasy Cricket League (Accenture Delivery Unit Application)

Each user can create a team of players and will get points based on the performance of players in actual match. The points will give ranking to users.

**Technologies Used:** Java, Spring, Oracle, HTML, CSS, JQuery, JavaScript, AJAX

2. Auditor Application (Accenture Asset)

**Technologies Used:** Java SE, Java Swing, VB Script, Batch Script

## Education

**B.Tech Computer Science 2013, Maharshi Dayanand University, Haryana 2013:**

Game Designer, developer and tester in the development of the action and strategy game "Escape" (using C++ and Visual Studio 2010 IDE). Game uses the concepts of artificial intelligence which led the selection of project into the Indian finals of Microsoft Imagine Cup 2014.

**2012:**

Developed a classic 2D Snake Game in C++ using Turbo C++ as a IDE.

Developed two player Chess Game using Java SE Development kit 6.

## Conceptual skills

Designing Micro - services based architecture: Decomposition of modules, API Gateway, Load Balancing, Client and Server side discovery, Messaging and Remote Procedure Invocation patterns, Token based security, Circuit breaker, UI Patterns, Cross-cutting concerns and logging.

Assessing and designing general and AI algorithms in terms of their space and time performance and optimality.

Data structure concepts (trees, graphs, heaps, linked-list, hashing etc.) and the algorithms related to them.

## Technical Skills

### Languages:

Proficient in Core Java (Collections, Multi-Threading), C/C++, C#, Javascript, Python

### Backend:

Java based, NodeJS (Beginner)

### Frontend:

Angular 4 with typescript (Beginner), Bootstrap

### Web Services:

SOAP, REST based.

### J2EE Technologies:

Spring, Struts, Servlets, Hibernate, JSP, JMS, JAXB, EJB

### Databases:

MySQL, MongoDB (NoSQL), Redis

## Awards & Achievements

Team lead, designer and developer of the team Quad Core project "The Escape" which was chosen in the top four game projects in all over India in Microsoft Imagine Cup 2014 and won 40K INR.

Gameplay link: [youtu.be/5koUpb6dIH8](https://youtu.be/5koUpb6dIH8)

Twitter link: [twitter.com/QuadCoreGames](https://twitter.com/QuadCoreGames)

Won Delivery unit prize for best idea for innovation in Accenture in December 2014.

Leader and won the Techgig Coding Challenge (Sep, Nov, DEC 2012) in C#, C, C++.

Scored overall 99.3 percentile in E-litmus Exam (Aptitude based Exam).