**Pavan Kumar Singh**

Email: pavankrsingh.se@gmail.com

Phone: **+91-9599186560, +91-9891370703**

**Professional Summary**

8 years 8 months of progressive experience in design and development of scalable web applications using Java/J2EE.

**Competencies**

**Programming Languages:**  Java, JavaScript, Graph-QL

**Frameworks**: J2EE, Spring (Boot, MVC, Security, Data JPA, IOC, Batch), Hibernate, JMS, Play Framework, Struts2.0, Webservices (SOAP, REST), Microservices

**Cloud Platform:** AWS (EC2, S3, CloudFront, SQS, SNS, SES, Rekognition, RDS(MySQL), ElastiCache(Redis), CloudWatch)

**Databases**: MySQL, Redis, MongoDB, Realm Object Server, Neo4j.

**Documentation:** Swagger

**Third Party APIs:** Firebase**,** Razor pay, Paytm, Agora, Pub-Nub, Gup-Shup, Airtel M2M, Zendesk

**Development Tools**: Eclipse, Maven(beginner).

**Servers:** Tomcat(beginner), nginx

**Deployment Tools:** Jenkins

**Software Development Methodology:** Agile/Scrum

**Version Control System:** SVN/Git

**Work Experience**

**Role:** Technical Lead

**Company:** Kent RO Systems (CamEye), Noida

**Duration:** Since January 2018 (4 years 3 months)

**Technologies:** Java/J2EE, Spring(Boot, MVC, Security, Data JPA, IOC, Batch), RESTful Webservices, Hibernate, JMS, Graph-QL, AWS(EC2, S3, CloudFront, SQS, SNS, SES, Rekognition, RDS(MySQL), ElastiCache(Redis), CloudWatch), MySQL, Redis, MongoDB, Realm Object Server, Swagger, Tomcat, nginx, Jenkins, Firebase, Razor pay, Paytm, Agora, Pub-Nub, Gup-shup, Airtel M2M, Zendesk

**Responsibilities:**

* Responsible for End to End Architecture design for individual modules and features.
* Responsible for managing the complete development lifecycle including Requirement gathering and analysis, design, development, testing and delivery.
* Responsible for individually delivering complete software modules from scratch.
* Task assignment, code review and resolving day to day technical challenges faced by the team.
* Acquiring new skills and imparting knowledge to team members.
* Understanding business requirements and translating them into well-designed applications.
* Come up with efficient, modular and scalable solutions for business and technical problems.
* Break requirements into simpler granular tasks, estimate effort required and identify dependencies.

**Projects:**

**Kent CamEye - Next-Gen Security Device for Vehicles & Passengers**

KENT CamEye is a first-of-its-kind car security device for vehicles and passengers that uses dual cameras to record everything happening inside and outside the car, and also allows live video streaming of either camera, from anywhere in the world. KENT CamEye is a next generation car security system, which ensures the safety of your loved ones and the security of your vehicle. It also acts as a vehicle tracker and helps the user to track the real-time GPS location of the car, and playback the route travelled by car on a map. Some features include:

* Records video and audio inside and outside the car
* GPS tracking and route playback
* AI based smart alerts e.g. unknown driver detection & over speeding
* 4G enabled data transfer to secure cloud storage (up to 90 days)
* 2-way calling with car occupants
* Non-OBD based plug & play installation
* Automatic stealth mode based on face recognition
* Record with no connectivity and battery backup up to 24 hours

**Role:** Senior Software Engineer

**Company:** Kent RO Systems (Clicktable), Noida

**Duration:** January 2015 to December 2018(3 years)

**Technologies:** Java 1.7, Play Framework, Spring Neo4j, Neo4j Graph DB, Rest Services, MySQL,

Redis, Paytm, Gup-shup, Zendesk

**Responsibilities:**

* Responsible for End to End Architecture design for individual modules and features.
* Responsible for managing the complete development lifecycle including Requirement gathering and analysis, design, development, testing and delivery.
* Responsible for individually delivering complete software modules from scratch.
* Understanding business requirements and translating them into well-designed applications.
* Come up with efficient, modular and scalable solutions for business and technical problems.
* Break requirements into simpler granular tasks, estimate effort required and identify dependencies.

**Projects:**

Clicktable is a cloud-based application for casual and fine dining restaurants that enables holistic guestbook management, automated waitlist management and seamless reservation management.

Whole application was divided in two different applications based on requirement. One was B2C application and other was B2B application.

1. **Clicktable Restaurant Booking(B2C)**:

Clicktable is an online restaurant booking application that guarantees hassle-free table reservations. It facilitates smart dining through real time restaurant offers, exclusive Clicktable promotions & genuine reviews & ratings at best restaurants in Bengaluru, Delhi NCR and Mumbai.

2. **Clicktable Empower(B2B)**:

Clicktable Empower is a cloud-based application for casual and fine dining restaurants that manages guestbook, reservations, waitlists and events & offers. It is used to optimize table inventory and manage front desk more efficiently. It helps Restaurants to streamline waitlist resulting maximized revenue and have a happy waiting queue managing no-shows and cancellations through auto-follow up. It has functionality to create a central repository of customer data for Restaurants that is handy and usable with the help of auto profiling of customers, personalized services, maintenance of privacy and confidentiality of customer data. It improves restaurant’s revenue giving them a feature to create, manage and promote events & offers to targeted audience via SMS/notifications and analyse ROI for events, offers and promotions. It also helps restaurants to analyse hidden insights that drive their business in the form of graphs and Excel/PDF reports.

**Role:** Software Engineer

**Company:** Redpyramid Infosystems Pvt. Ltd., Noida

**Duration:** August 2013 to December 2014 (1 year and 4 months)

**Technologies:** Java/J2EE, MySQL, Struts2, Hibernate, Apache Tomcat, Java Script, Ajax, JQuery

**Responsibilities:**

* Responsible for individually delivering complete software modules from scratch.
* Understanding business requirements and translating them into well-designed applications.
* Come up with efficient, modular and scalable solutions for business and technical problems.
* Break requirements into simpler granular tasks, estimate effort required and identify dependencies.

**Projects:**

1. **Seascape -** Seascape is an iPad and Android tablets-based application developed by Red Pyramid Infosystems for shipping companies (Great Eastern Shipping Corporation). This App is very useful for managing the expenses incurred and earnings made by shipping companies. Through this App the management of the shipping company can make an estimated budget and view the actual budget for the following financial year and after the completion of that year they can analyse the difference and then make budgetary decisions accordingly. The budgetary plan can be set and analysed monthly, quarterly or annually, as per the requirements. Red Pyramid is soon introducing daily budget management system through which the management can estimate and analyse the expenditure and earning on daily basis.
2. **Doc Sync -** The Documents Synchronization or **Doc Sync App** provides a remarkably great support to the employees of an organization to show all kinds majorly used files like PDF, Text, Doc, Docx, XML, XLS, PPT, PNG and JPG. This is a Tablet based App compatible with all majorly used iPads and Android Tablets. The user can download a variety of files in his Tablet and can present them to the clients and colleagues in a meeting or conference by clicking the required file.
3. **Daily Shipping Consumption (ShipLog) & Vessel Status(ShipTrace)-** The ShipTrace App is useful for knowing the status and position of ship. An Android and iOS tablet based App, it gives comprehensive information about the ship viz, the name of the ship, its current location, the next port where the ship will arrive, the location from where it sailed, longitude, latitude, Estimated Time of Arrival (ETA) and date, fuel consumed by the ship and the like.

The ShipLog App provides all major and minute details of diesel and engine oil consumption by a particular ship, its speed and wind force at a particular point of time. An iPad and Android tablet-based App, you can get every information related to a ship consumable at one go, as well as the real time status of the ship's speed and wind force.

**Awards & Recognition**

* Received “Outstanding Employee of the Year” Award in 2013 at Redpyramid Infosystems pvt. ltd.
* Received “Star of the month” award several times.
* Received numerous client appreciations for the good work.

**Education Summary**

MCA (74%) from Department of Computer Science, AMU, Aligarh (2010)

**Personal Details**

|  |  |
| --- | --- |
| Date of Birth | 7-July-1986 |
| **Passport No.** | Z4084150 |