

# RAJESH KUMAR KOLA

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## PROFESSIONAL SUMMARY:

Senior JavaScript developer with 7 years of experience in designing, developing and maintaining web as well as hybrid mobile applications. Possesses diverse experience of creating multiple highly scalable applications using different tech stacks.

## EDUCATIONAL QUALIFICATIONS:

**Birla Institute of Technology and Science (BITS PILANI) Goa**

Jun 2009 – Jul 2013

Bachelor of Engineering (Hons.) in Computer Science

## WORK EXPERIENCE:

**Organization:** Tekpea, Inc.

Mar 2018 – Till date

**Domain:** Energy Management, Industrial IoT, Data Visualization, Communication and Control Protocols

**Role:** Product Development Engineer

**Description:** A technology platform providing resilient communication path between devices and the places where energy data is used for decision-making and control, in a variety of scenarios, requirements and applications. Maximizes the operational efficiency of the buildings and simplicity to light management.

**Tech Stack:**

- Vue.js, Vuex, Mongo DB, Express, Influx, Vuetify (**MVEN Stack**)

**Project Management & Delivery:**

- Designed and developed a web-based software for **management** and **control** of the **smart devices** equipped with **Tekpea controllers/gateways**. Implemented **scheduler events** where one can add, update and delete a schedule action for a single or group of light devices. Implemented **alert** system by sending notifications to the groups responsible for the gateway. Developed a feature to send the gateway report with all the devices status and standard device param value over mail.
- Used **Influxdb**, an open source **Time Series DB platform** for metrics and events for **real time analytics** and **data retention**.
- Designed and developed an advanced **metering** infrastructure (**Meter Data Management**) which integrates the smart meters into a **unified meter data system** by maximizing the return on metering investments.
- Developed a **billing invoice** system where one can produce industry grade bills for the customers. Implemented customizable invoice templates.
- Worked on EV charging mobile solutions designed to enable EV owners to operate compatible charging stations with the help of Tekpea's EVC mobile application.

**Organization:** Host Analytics

Jan 2017 – Mar 2018

**Domain:** Enterprise performance management, Finance

**Role:** Software Engineer

**Product Description:** Provides a scalable, cloud-based platform for finance teams to automate planning, consolidation, and reporting processes.

**Tech Stack:**

- jQuery, ReactJS

#### **Responsibilities:**

- Worked on **Reporting module** user interface where customer can create wide range of interactive **financial and management reports**.
- Developed **Bookmark** functionality for the reports and templates with accessibility over the application.
- Implemented **dynamic cell level formatting** with **advanced formatting options** to style a cell/s in dynamic report.

**Organization:** CMC Ltd

Aug 2013 – Mar 2016

**Domain:** Services, IT solution provider

**Role:** Application Developer

**Product Description:** Systems engineering and integration company, offering application design, development, testing services and asset-based solutions.

**Tech Stack:** Sencha, Hybrid Application Development, jQuery, Cordova, HTML, CSS

#### **Responsibilities:**

- Designed & developed an **admin module** to save the vessel profile data from the **vessel profile pdf** reducing the work time from **4-5 hrs** to **20 – 30 min** in project **MinaPro – Dubai Ports World**.
- Developed a **cross platform** mobile application using Backbone and jQuery Mobile for **TATA Innovista**, an annually held celebration of creativity in the TATA group with the outstanding innovations being rolled by TATA companies from far and wide.
- Developed a hybrid mobile application in **Sencha touch** framework **GEMS** (Games Event Management system) to capture the results of the **Lusophony Games** held on Jan 2014.
- Conducted **Cross-Platform Mobile application development workshops** and **effective training sessions** for the employees of CMC Limited.

#### **TECHNICAL SKILLS:**

- ES6 • Object Oriented JS • Advanced JavaScript • Design Patterns • Node JS • CSS3 • HTML5 • Cordova
- Vue JS • Vuex • jQuery • React • Backbone • Sencha Touch • jQuery Mobile.
- MongoDB • MySQL • Influx DB.
- VS Code • Visual Studio • Eclipse • Sencha Architect.

#### **KEY SKILLS:**

- Bug Fixing & Troubleshooting • Client Requirements • Stable codebase • End to end testing
- Mobile Apps • Web Apps • Highly Scalable Applications • Mobile Apps
- Process Optimization • Solutions Architecture & Delivery

#### **EXTRA-CIRCULAR ACTIVITIES & ACHIEVEMENTS:**

- **Awarded** for winning the **first position** in **hackathon** conducted by Host Analytics. Developed advanced formatting options to style a cell/s in Dynamic Report (Cell level formatting in Dynamic Report).
- Volunteered for **Nirmaan** Organisation, led a team of ten in empowering low-income households through Self Help Groups for Women.
- Chief coordinator of **Department of Surveillance and Registration** in BITS PILANI Goa campus.