

Shekhar Bhattacharya

Full Stack Developer with expertise in JavaScript based frameworks

<https://github.com/shekhars-realm>

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Education

- **Technical University of Kaiserslautern (Enrolled)** - Master of Science (Applied Computer Science)
- **Dr. A.P.J Abdul Kalam University(2016)** - Bachelor of technology(Computer Science)

Employments

Research Assistant

T.U.Kaiserslautern

Sept 2019 - Present

- Solely created a platform for automotive experts to manage ontologies in the most user friendly way possible using *React* and *Redux*.
- Created a graph database using *ArangoDB* and *NodeJS* that stores ontologies.

Student Assistant(Full Stack)

InnoCow(startup)

Jun 2018 - July 2019

- Responsible for creating a platform that helps farm owners to track their animals health and position with live data updates using *ReactJS*, *React Native* and *Redux*.
- Involved in creating an authentication system for mobile applications using *PassportJS*.

Full Stack Developer

Algoworks Technologies

Jan 2017 - Sept 2017

- Created backend middleware with MongoDB database using *NodeJS*, *Express* to facilitate social networking applications and tax management applications.
- Involved in a training programme for JavaScript and *MongoDB* aimed for college students.

Software Developer

Magic EdTech

Jun 2016 - Jan 2017

- Responsible for developing a browser enabled gaming platform for students of primary schools using *HTML*, *CSS*, *JavaScript*, *jQuery*.
- Involved in creating an epub reader and automating PDF to HTML translations.

Projects (for more, visit: <https://github.com/shekhars-realm>)

Ontology Management Platform - GENIAL

- Interactive and user friendly platform for Automotive experts to create ontologies in order to elicit requirements.
- Capable of creating smart data by translating natural language into ontologies and creating relationships.
- Different libraries can be created that contain information about different automotive parts. These elements of one library can be later used to create different designs.

Farm Management Platform - InnoCow

- A platform for farm owners to track the health of farm animals with live updates from custom made electronic tags.
- Backend middleware receives data from E-Tags and translates the data into user readable formats.
- Capability to predict different health conditions using machine learning.

Social Networking Application - Shine

- Web/Mobile application that lets users create/find nearby events/posts. Users can participate in other events and later connect to other participants of the same event and share media with them and build their own profile.
- Promotional events can also be added that can target a specific audience depending on location, age, gender.

Tax and Finance Management Application - Quax

- Web/Mobile application allowing users to find available accountants in a certain radius to help filing taxes.
- Accountants can publish their availability, pricing and services and the middleware algorithm finds the best accountant for a user depending on the availability, distance, services and pricing per hour.

Skills

- **FrontEnd:** JavaScript, ReactJS, Redux, React Native, Material-UI, HTML, CSS.
- **BackEnd:** NodeJS, Express, Handlebars, MongoDB, ArangoDB, Firebase.
- **Deployment:** Heroku, Netlify, CI/CD, Docker