

Bhagya Kasturi

Software Developer

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SUMMARY

- Software developer able to build sophisticated web applications all the way from mockup to rollout.
- 5+ years of programming experience, working on frontend, backend as well as databases.
- Adept at working with diverse teams to implement projects.

TECHNICAL SKILLS

- React.js, Redux, React DnD, React Router, Redux-Thunk
- Material UI, JavaScript, JQuery, AJAX, JSON
- Python, Node.js, Express, Sequelize, Mongoose, Passport Auth, Rest APIs, Request, Inquirer
- Postgres, MongoDB, MySQL, Firebase, SQL, Oracle
- Bootstrap, Materialize CSS, HTML, CSS
- Git, GitHub, Bitbucket, JIRA, Webpack, NPM, React/Redux dev tools, Enzyme, Mocha, Chai, Unit Testing, Trello, Slack

EXPERIENCE

Asuragen, Austin, TX

Current

Asuragen is a global molecular diagnostic products company which manufactures diagnostic kits and corresponding analysis software for Genetics and Oncology applications.

Converted Jinja template-based UI to React/Redux-based UI.

- Analyzed the existing UI code and broke it down into React components.
- Converted the application into Single Page Application.
- Integrated critical third-party non-React functionality with React, e.g. integrated Webix data table into React.
- Added support for cell-to-cell drag-and-drop to grid-like data with complex drag-and-drop validation rules.
- Consolidated error handling for all ajax calls in a single place.
- Implemented front end unit tests.
- Extended API functions in flask-based Python backend.

Technologies used: *React, Redux, Thunk, Material UI, React DnD, Webix, Python, PostgreSQL, Enzyme, Linux/ Ubuntu, Windows, Git, JIRA, Webpack, Python interactive shell, Redux dev tools, Chrome Dev tools*

The Coding Bootcamp at UT, Austin, TX

- **Book Club**
This is a single page app to help manage the logistics of running a neighborhood book club which includes registering to become a member, adding events, books, RSVP to events, rating books and posting news.
 - https://github.com/bhagya88/Bookclub_React
 - <https://bookclub-novella.herokuapp.com>

- **Goto-Forum**
This is a reddit like forum where users can post information or comment on the existing posts and navigate between different forums.
 - <https://github.com/bhagya88/goto-forum>
 - <https://goto-forum.herokuapp.com>
- **React News**
This application scrapes articles from the web, stores them in the database and fetches them where users can write notes, delete the notes and navigate to different articles.
 - <https://github.com/bhagya88/ReactNews>
 - <https://react-news.herokuapp.com>
- **Bootcamp Calendar**
This is a drag and drop calendar developed for 'The coding Bootcamp at UT Austin' for scheduling curriculum.
 - <https://github.com/bhagya88/bootcamp-calender>
 - <http://bc-cal.herokuapp.com>

Technologies used: *React, Redux, Thunk, fetch, MySQL, MongoDB, Mongoose, Sequelize, Node.js, Express, Multer, Passport, JWT, Bcrypt, Materialize CSS, Full Calender.io plugin, JavaScript, JQuery, HTML, CSS*

Bharat Heavy Electricals Ltd (BHEL), Hyderabad, India

BHEL is one of the largest engineering and manufacturing companies based in India with over 10,000 employees. Its products include power plant equipment such as gas and steam turbines.

- Converted mainframe legacy programs into RDBM-based system.
- Designed and developed front end and backend for payroll processing system.
- Implemented the business logic for payroll processing and income tax processing.
- Developed various reports like pay-slips, income-tax statements, annuity reports as well as custom summary reports requested on an ad-hoc basis.

Technologies used: *Oracle database, PL/SQL, Developer 2000 Forms and Reports*

EDUCATION

Full Stack Web Development Program

The Coding Bootcamp at UT Austin, TX

Bachelor of Technology in Electrical and Electronics Engineering

JNTU, Hyderabad, India.