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Raj Ashish Desai

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Technical Skills

Frontend: JavaScript | HTML | CSS | React | Angular | Material UI | Bootstrap | Backbone | jQuery
Backend: Node | Express | MongoDB | Mongoose | MySQL | Sequelize | PostgreSQL
DevOps: Git | Webpack | Mocha | Grunt | Gulp

Projects

Affirmation: *Software Engineer*   affirmation.io

Connects software engineers from all phases of their careers to share advice and experience
- Developed database schema models with PostgreSQL to cleanly and efficiently persist site data
- Implemented Material UI navigation bar with React Router and Auth0 profile data for effortless UX
- Produced profile page with React InlineEdit for simple and efficient updating and data access capabilities
  Built stateful React components that communicate with RESTful API using Axios

DinoTask: *Software Engineer*

Provides a task manager with an environment built for both optimization and customization
- Redesigned front-end interface with React, React Router, and Material UI to optimize UX
- Refactored existing files to minimize conflicting alterations before deployment through GitHub
- Handled team issues through GitHub and Waffle.io to maximize efficiency and keep goals in mind

Keep-Fit: *Software Engineer*

Creates an atmosphere of personal growth in regards to physical fitness and accountability
- Structured and laid groundwork for database schema using MySQL
- Scripted specific search and request queries pertaining to information transfer with MySQL
- Established connections for requests to route through Express and respond from MySQL database

MotiVational Prompter: *Software Engineer*

Produces personalized time management recommendations through playable card games
- Utilized Angular factories along with JavaScript classes to build a playable Blackjack game
- Designed landing page with Bootstrap to provide intuitive and responsive Blackjack gaming experience

DivineStudio: *Software Engineer*

Provides proper, guided relaxation techniques for your physical and mental faculties
- Launched website for DivineStudio meditation and self-healing center to connect the business to potential customers utilizing Bootstrap design to enhance UI/UX

PSEG Dry Cask Storage Project: *Nuclear Engineer*

PSEG Dry Cask Storage challenge led to a 90% increase in a radiation shielding
- Analyzed cask transfer and radiation dosage data from PSEG to create neutron and gamma dose models
- Designed and modeled neutron and gamma shield to protect welders during cask transfer process

Professional Experience

United Water | Hackensack, New Jersey   2013 - 2014
- Maintained spreadsheets for water system processes, relocations, and replacements
- Developed flowcharts/diagrams for on-site workers on CCCP and other programs
- Redlined blueprints and drawings for firms working around areas of UW mains/hydrants

Education

Hack Reactor | Advanced Software Engineering Immersive Program   2017

Pennsylvania State University | B.S. in Nuclear Engineering   2016