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# Raj Ashish Desai

Software Engineer • New York City

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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 -

- 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

2014

## Education

**Hack Reactor | Advanced Software Engineering Immersive Program**

2017

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

2016