KARIM SHAKIR

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FULL-STACK SOFTWARE DEVELOPER

As a software engineer and former mechanical engineer, I believe in continuous growth, and writing good object-oriented systems that are to scale, modular, and easy to understand.

SKILLS

Ruby, Rails, Bootstrap, React, Redux, JavaScript, jQuery, VueJS, HTML, authorization, authentication, CSS, SQL, Postgres, Intellij-IDE, SQL, RESTful APIs, Unit Testing, TDD / BDD, Github, Agile, Pair Programming, Terminal/Unix, Java

RECENT PROJECTS

● **Performance Review, Freelance:** Developed an employee review application that allows employees to rate themselves as well as peers, providing data to managers for performance reviews. The application also identifies employees based on login, and allows access to certain features based on employee position(ie manager). Developed in an agile/team environment.[Ruby on Rails (backend), Vue.js, D3.js (frontend)]

● **RootCause, Actualize:** Independently developed a web application that allows the user to quickly enter data regarding the craving or usage of an addiction. App parses data and presents dynamic statistics, tables and a Data Driven Document (D3) graph that is user specific and identifies likely addiction triggers. The application provides vital data to user and counselors needed to customize prevention/recovery plan.

[Ruby on Rails (backend), Vue.js, D3.js (frontend)]

● **Transit Route, Freelance:** Developed a program that analyzes different transit routes, by parsing the data to determine the shortest route between two locations; the number of routes with a maximum or exact number of stops; or if such a route even exist. [Java (backend)]

EXPERIENCE

Web Developer, Actualize Coding Bootcamp   Jul 2018 - Dec 2018

● Completed an intensive, 4-month full stack web development bootcamp that concentrated on MVC pattern, JavaScript, HTML, and CSS. Sharpened skills as a software engineer, quickly learned and applied new technologies, programmed individual and team projects within an agile environment. Applied TDD, Pair Programming, and Unit Testing skills.

Web Developer, Freelance   Mar 2015 – Present

● Apply solid object oriented programming skills to build commissioned applications for clients.

Mechanical Engineering Consultant, SSM Mechanical Systems   Oct 2012 – Mar 2015

● Manage / sub-contract HVAC engineering projects out to qualified engineering firms.
● Consistently reduce cost through relationship building and contract negotiations.
● Decreased lead times through scheduling, time management and quickly adapting to new situations.

Land Developer, SS & M Properties and Construction   Jul 2009 – Oct 2012

● Managed teams that built and designed homes throughout the Chicagoland area.
● Provided vision to the team and found ways to make acquisitions profitable through architectural redesigns.

Mechanical Engineer, JCI Inc.   Jul 2004 – Jul 2009

● Designed and programmed the sequence of operations for commercial HVAC systems.
● Created templates and streamlined processes that were standardized within company procedures.

EDUCATION

University of Illinois Urbana/Champaign   May 2004

Bachelor of Science in Mechanical Engineering