KARIM SHAKIR

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FULL-STACK SOFTWARE DEVELOPER

As an Actualize Coding Bootcamp graduate, I believe in writing good object-oriented systems that are modular, eloquent and easy to understand, and consequently create something really inspiring, that's reliable, readable and maintainable.

SKILLS

Ruby, Rails, JavaScript, VueJS, HTML, CSS, SQL, Postgres, SQL, APIs, Active Record, Data Structures, Unit Testing, TDD, Git, Github, Agile, Pair Programming, Big-O Notation, Encryption, Authentication, Authorization, JSON, Ajax, AWS, Heroku, Terminal/Unix, Java

PROJECTS   Jul 2018 – Present

● **Addictions, Actualize:** Independently developed a capstone project that allows the user to quickly enter data regarding the craving or usage of an addiction. App parses data and presents statistics, tables and a Data Driven Document (D3) graph that identifies likely addiction triggers. The data within the chart and table is dynamic and specific to each user. The application also provides user distractions to help prevent use/engagement in user's addiction(s). [Ruby on Rails (backend), Vue.js, D3.js (frontend)]

● **Train Routes, Independent:** Developed a program that analyzes different train 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 – Present

● **Bootcamp, Actualize:** Completed an intensive, 4-month full stack web development bootcamp that concentrated on Ruby, Rails, JavaScript, VueJS, HTML, and CSS.
Learned how to think as a software engineer and quickly learn and use new technologies in an agile environment.
Utilized Test Driven Development, Pair Programming, and Unit Testing skills in a practical learning environment.

Mechanical Engineering Consultant, SSM Mechanical Systems   Oct 2012 – Present

● 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