



Software Developer



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mkg1

TECHNICAL SKILLS

Ruby • Rails
Javascript • Python
Django • SQL
RESTful API design
Version Control (Git, SVN)
Vue.js • React
CSS • HTML

EDUCATION

THE IRON YARD DURHAM

Back-end Engineering with
Ruby on Rails

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Bachelor of Science in
Public Health -
Environmental Science &
Engineering

PROFESSIONAL SUMMARY

Dynamic and diligent developer with 5+ years of back-end and full-stack experience. Highly skilled in server-side technologies with an eye for sensibly designed data and interfaces. Inquisitive and tenacious problem solver; ambivert tendencies (good with people, good with computers).

EXPERIENCE

DUKE UNIVERSITY SCHOOL OF MEDICINE

Senior Back-end Developer | June 2016 - Present

- Develop, maintain, and upgrade a suite of web and mobile Ruby/Rails and Javascript/React applications supporting Duke's research community and administrative offices.
- Maintain Oracle databases and run queries to generate reports and data analyses for customers.
- Design APIs to tie in with external university resources and services.
- Follow Agile development practices to improve user experience by delivering timely upgrade requests and weekly feature additions.
- Provide primary tech support to customers and troubleshoot errors.

Technical Instructor

- Duke Innovation Co-Lab: Developed curriculum and taught class on "Data Manipulation Using SQL".
- TIP Summer Program: Taught class on programming microcontrollers to control IoT hardware devices.

MYHEALTHSTYLE APP

Full-stack Developer (Freelance) | Apr - June 2016

- Designed/developed initial app prototypes for health-focused startup.
- Worked with company founder to determine necessary technologies to integrate with back and front ends for fully-functioning prototype including database, messaging, SMS, and a shopping cart.

FOODSTRE.AM

Back-end Developer | Feb - May 2016

- As final project for code school, developed back-end for mobile/web app aimed at decreasing food waste.
- Built RESTful Rails API, geolocation functionality, and messaging platform to integrate with AngularJS front-end.

CLINICAL TOOLS, INC.

Research Assistant | Nov 2013 - 2014

- Coded custom Javascript/jQuery interfaces for education platform.
- Assisted with administering usability tests; helped customers troubleshoot technical problems.
- Researched and helped develop online medical training programs.

USER TESTING

Tester | 2014 - 2019

- Reviewed 250+ websites and apps, all in various stages of the development lifecycle, for intuitive usability and design sensibility.