ZACK ROSE

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SUMMARY:

Software engineer with 16 years experience and a CS degree, seeking a front-end engineering position with an emphasis on ReactJS / React Native

EDUCATION:

Case Western Reserve University, Cleveland, Ohio
BA in Computer Science, May 2008
Minor: Music
Sequences: French and Psychology

SKILLS:

Front-end: React, Redux, Webpack, ES6, Babel, Insula, ESLint, Sass, CSS Modules

Mobile: React Native, Android (Java / Kotlin)

Back-end: Node.js, Express, Java, Clojure

Testing: Jest, Enzyme, Groovy, Geb, Selenium, Appium

Data: mySQL, PostgreSQL, Microsoft SQL Server, Oracle, JSON, NoSQL, MongoDB

DevOps: Jenkins, AWS

EXPERIENCE:

Craftsy
Front-End Engineer, Denver, Colorado (April 2016 to August 2018)
- Built features in React / React Native using Redux and Insula for state management.
- Worked on 3 major site releases:
  - Development of 2.0 architecture (legacy code to a React / Redux environment) in 2016
  - Development of the "Craftsy Unlimited" video streaming service in 2017; consisting of React / Redux website and React Native iOS and Android apps
  - Rebranding of Craftsy Unlimited to Bluprint in 2018.
- Rigorous unit / integration testing using Jest / Enzyme and functional testing using Groovy / Geb / Selenium / Appium

Code for Denver Organization (a Brigade of Code for America)
Front-End Web Developer, Denver, Colorado (September 2015 to April 2016, August 2018 to Present) (Volunteer)
- Worked on "Feed" project for the Rocky Mountain Farmer's Union (http://feed.rmfu.org) working alongside a small team of designers/developers. Built static mockups into dynamic pages using Bootstrap, HTML5, CSS3, and ClojureScript, defining the look of the page.
- Tech lead on full redesign of Code For Denver website in 2016 (http://codefordenver.org) using React.
- Helped beginner programmers get a head start in understanding the overall web process.
- Currently working on a databases for low income housing and student-teacher resources, in addition to an internal members portal.

Self Education
Denver, Colorado (October 2013 to April 2016)
- Regularly spent time with online courses on Code School, Front-End Masters, and Egghead.io, studying and keeping up to date with CSS/HTML fundamentals, Javascript, Node.JS, React, and Responsive Design principles.
- Worked on personal website / projects, experimenting with various technologies including React, Javascript, mySQL, Less/Sass, and HTML5/CSS3.

The Sherwin-Williams Company
<u>Front-End Web Developer</u>, Cleveland, Ohio (February 2011 to October 2013)
- Website maintenance for Sherwin-Williams website, using multitude of technologies including CSS, HTML, JavaScript/JQuery, Classic ASP, Java Server Pages, Java debugging to locate back-end issues.
- Key resource in implementation of Oracle UCM and technical liaison in customizing the Content Management user interface.
- Project work including implementation of new page designs, hand coded CSS and JQuery scripting.
- Design Slicing and image manipulation using Adobe Photoshop and other related software.
- Designed Oracle and mySQL database queries for retrieving, updating, and inserting data into multiple schemas.
- Gained intensive experience in team environment using version control (mainly Git) to manage development.

JumpStart Inc.
<u>Consultant</u>, Cleveland, Ohio (January 2007 to February 2011)
- Designed and implemented the Ohio Fuel Cell Coalition portal website, which combines ASP.Net and MSSQL technologies.
- Recorded and prepared various JumpStart Podcasts.
- Used Flash to create multi-media projects for the Ohio Fuel Cell Coalition.
- Created various web applications using Perl, PHP, SQL, and others.
- Ported and moved web servers, including transfers from Apache to IIS and Perl to PHP.
- Data processing using Microsoft Access and Excel in conjunction with SalesForce.

<u>IT Assistant</u>, Cleveland, Ohio (February 2005 to October 2006)
- Provided technical support to seven different companies, maintaining servers / organizing backups on various machines.
- Responsible for installing and programming unified messaging and applications running on an Intertel Phone System.
- Provided customer support and training.
- Created documentation for technical aspects.
- Designed and maintained websites using various methods including Apache, IIS, HTML, CSS, PHP, and Perl.

Northwestern University, Center for Talent Development, Equinox Program
<u>Instructor, Computer Game Design</u>, Cleveland, Ohio (Summer 2008, Case Western Reserve University campus)
- Taught gifted high-school students advanced C# programming with the XNA environment.

Case Western Reserve University, Information, Technology, and Academic Computing
<u>Student Technology Consultant,</u> Cleveland, Ohio (May 2002 to May 2004)
- Completed service calls (on-site and phone) to help instructors with various time-critical IT issues.
- Installed new equipment/peripherals such as hard drives and RAM chips, wireless, and networking installations.
- Designed and maintained over 20 web pages using HTML and CSS.
- Authored and managed training documentation for client use.
- Worked with team to create an interactive, multi-media Flash CD to introduce first year students to campus.