

email: krioux@gmail.com phone: 720-216-7245

Ken Rioux

#### Goals:

Work within a tight-knit company

Network with other capable and talented individuals

Accomplish amazing things

#### Education:

University of Colorado: 3yrs towards Undergraduate Degree in Computer Science Engineering at CU. Focus in software architecture.

Object Oriented Design: advanced design pattern utilization

Principles of Programming languages: strengths, weaknesses, and choosing the right lang. for the job.

OpenGL Graphics: 3D modelling basics up to creating custom shaders.

Java classes sponsored by Sun Microsystems based on Calc.2 performance.

#### Skills:

##### Node.js

Independently building feature rich web applications with node express server and various node middleware tools. The forum, project showcase, and picture galleries here on kensnote.com are examples. Useful and light-weight, node is extremely powerful.

##### Backbone.js

Independently developing re-usable models, displaying them dynamically on the page, and tying them into secure database routes on the backend for truly object-oriented web page functionality. Please view the forum, project showcase, and picture galleries here on kensnote.com for examples.

##### MongoDb

Document based and incredibly flexible yet efficient no-sql database. Used w/ the forum, showcase, and pic galleries here on kensnote.com.

##### Mongoose

RESTful interface for MongoDB providing object modeling for node.js. Used with the forum, showcase, and pic galleries here on kensnote.com.

##### Git versioning

4+ yrs using git for version management and collaboration control. I utilize this every day in various projects including online git servers for remote uploading etc.

##### Android Programming

2yrs Java-Android-Linux development w/ OpenGL ES 3D graphics support. Touch events, social media tie-ins, publishing, keysigning, build scripts, emulators w/o eclipse. project showcase

##### OpenGL/es2-3

2 yrs exp. developing graphics rich Android programs with java and user interactions. Whack-A-Friend is my 1st 3D game developed with custom opengl.

##### Cordova/PhoneGap Development

2 yrs linux/android development with CSS3/jquery/multi-page layouts w/o eclipse.

RiverMaps is an app developed w/ Cordova (update pending).

##### Object Oriented Design

Design with models from the ground up using cutting edge design patterns: MVC modeling, UML, class, sequence, activity, state diagrams, use cases, and requirements lists.

##### Linux/Unix Administration

Administration of remote Debian VPS servers and local test servers. Configuration, maintenance, and automation through shell scripting. ~ 3yrs

##### Twitter-Bootstrap

Great looking styling components from our friends at twater, saving quite a lot of time while developing UI components and the like. Kensnote forum is styled largely

with this.

#### Java

5+ yrs exp. using the very flexible and OO-oriented language. Most recently used with creating 3D OpenGL/Android apps; Whack-A-Friend for example.

#### CSS/3

Strong exp. w/no-table design. Separation of style and content, nesting, and inheritance, transitions, animations, and more. This resume contains no tables and contains multiple CSS style variations.

#### Apache/2

Many yrs exp. setting up and configuring multiple virtual hosts, secure public hosting, .htaccess, redirects, mods, SSL certificates, and more.

#### Javascript Development

4 yrs exp. event handling, dom parsing, and general js development where needed.

Custom ajax handling before ajax was widespread. More recently numerous JS languages: Backbone.js, Underscore.js, Express.js, Node.js, and debuggers such as Firebug.

#### jQuery flavors

5+ yrs exp using various jquery tools: jQuery, jQuery-mobile, jQuery-ui Used jq-mobile to design RiverMaps, an android cordova html5 mobile app (update pending).

#### sass

CSS preprocessor that attempts to consolidate cross-browser and backwards-compatibility among websites and provides variables and functions within css. This resume is powered by it.

#### Compass / Blueprint

useful functions and "mixins" for consolidating CSS3 features. Sprites, shadows, transitions, grid layouts, sprite tools, and more. View this resume.

#### Relational Databases

##### MySQL | sqlite | postgres

5+ yrs exp. w/ mid-to-advanced db querying, table joins, complex rules used in various web apps.

#### Graphics Editing

Familiarity with most graphic programs including Photoshop and Illustrator or the open-source GIMP for image edits. I try to leave the "designing" to the real artists but I can get around no problems.

#### Social Media

Tie-in of Twitter and Facebook OAuth for shares/feeds etc

#### Google Maps

exp designing attractive product interfaces alongside google maps jsV3 to output visually stunning products. RiverMaps uses a custom gmaps interface.

#### Google Play

~2 yrs exp. publishing, placing, and organizing applications on Google Play store.

#### LAMP Stack

7+ yrs exp. developing with and configuring Linux, Apache, MySQL, Perl/PHP/Python servers (mainly PHP).

#### PHP

Convenient scripting language if secure. Sessions, authentication, cookie handlers, reusable custom web apps, services behind SSL, managing dynamic data, MVC frameworks like Zend, etc.

#### C | C++ | C#

Exp. designing and creating various functions and usable programs developed in C. (Recently a little rusty)

#### Computer Repair/Hardware

10+ yrs exp. building/maintaining/backing-up/upgrading/and repairing PC computers in professional business environments as well as independently. Virus cleanups and streamlining as well.

#### Work History:

Insight Repair llc Owner / Operator

2008 - Current

Desc: On-site catering to customers needs. Repairing hardware and troubleshooting software issues while maintaining good customer service.

Duties: Virus cleanups, hardware diagnostics/ replacements/ upgrades/ setup, software troubleshooting and assistance, advising on good methods and practices. Maintaining website and other resources to stay current.

Kula Causes Software Engineer

2012

Desc: A fast-paced start-up company with worldwide goals and tight deadlines, KulaCauses aims to democratize charitable giving by allowing users to donate to over 2 million charities around the world.

Duties: Worked closely on a small development team to develop web interface for selecting and donating to world-wide charities. Complete with a dashboard for profile editing, charity favoriting, and viewing transaction history.

Git versioning control & GitHub for code-review tools

Zend Framework/PHP: (writing custom controllers, services, layouts, and views)

jquery & Javascript: triggering events on user interaction (forms, user-input, etc)

Custom CSS frameworks using SASS, Compass, Blueprint, Twitter-Bootstrap, and CSS3 to support brand theming.

SQL Database calls through RESTful Python methods.

Social media: customizing shares/likes/more (Facebook, Twitter, Google+, ..)

Insight Design Owner / Operator

2010 - Ongoing

Desc: Focusing on release of first android-mobile applications since last official position. Insight Design is a self-started software company originating in co focused on Website design now Mobile applications. Currently two apps on the Google Play Market. Expanding capabilities with OpenGL ES2.0 support. (3D fun!)

Duties: Delivering customized web solutions on a contractual basis. Custom android application opportunities. Expanding mobile application products and ideas.

Concepts to Published.

University of Colorado Student

2010-2012

Finishing college in the school of engineering.

RunPC Computers Store Manager / Head Technician

2008-2009

Desc: Servicing, Troubleshooting, Hardware & Software Installation/Assistance, Computer Building, and Sales. Emphasis on repairs & custom building of PC computers.

Duties: Multi-tasking while repairing 6+ computers simultaneously. Managing repair deadlines while offering technical and sales support for customers on phone and in person. Including virus cleanups, hardware diagnosis & replacement, custom builds, upgrades, on-site repairs, and home installations. Managed entire store alone at least once a week.

email: krioux@gmail.com Contact / Download phone: 720-216-7245