

# Gary Kagan

## PRESENT ADDRESS

11 Baltimore Blvd.  
Sea Girt, NJ 08750  
(772) 643-2443

## PERMANENT ADDRESS

430 Easy Street  
Sebastian, FL 32958  
(772) 643-2443

## OBJECTIVE

To create quality software in a professional and timely manner.

## TECHNICAL SKILLS

### Languages

- |               |          |                |              |
|---------------|----------|----------------|--------------|
| • Objective-C | • Python | • JSON         | • SASS       |
| • Swift       | • Perl   | • XML          | • Bash       |
| • C           | • PHP    | • CSS          | • Javascript |
| • Ruby        | • Java   | • CoffeeScript | • SQL        |

### Frameworks

- |               |         |             |
|---------------|---------|-------------|
| • Cocoa Touch | • Rails | • Bootstrap |
|---------------|---------|-------------|

### Platforms

- |       |         |        |
|-------|---------|--------|
| • iOS | • Linux | • OS X |
|-------|---------|--------|

### Source Control

- |       |             |              |
|-------|-------------|--------------|
| • Git | • Mercurial | • Subversion |
|-------|-------------|--------------|

### Tools

- |         |           |              |
|---------|-----------|--------------|
| • Vim   | • Sublime | • Capistrano |
| • XCode | • Vagrant |              |

## EXPERIENCE

### Software Engineer

CyanLine LLC  
Eatontown, NJ

January 2013 - Present

Developed embedded and live bootable linux systems, developed update and patch delivery system, performed penetration and vulnerability testing, performed forensic hard drive analysis, provided customer support to government and civilian users.

### Projects

- FDAS - Fast Disk Acquisition System (<http://cyanline.com/fdas.php>)
  - Performs forensically sound acquisitions of storage media
  - Embedded Linux system
  - Web interface, command line interface
  - Written in C, Bash, Javascript, HTML CSS
  - Responsible for maintaining existing code, developing new features and planning the future of FDAS
  - Used by government agencies and corporations around the world
- MiniDAS - Mini Disk Acquisition System (<http://cyanline.com/minidas.php>)
  - Performs forensically sound acquisitions of storage media
  - Responsible for maintaining, developing new features and deployment
  - Live bootable Linux system
  - based on Kali Linux
  - Written in C, Bash, Javascript, HTML, CSS

- AP-Finder - Access Point Finder (<http://cyanline.com/apfinder.php>)
- Open source contributions (<https://github.com/cyanline>)

**Project Manager** Kane Brewery Management System September 2013 - May 2014  
Point Pleasant, NJ

Gathered requirements, designed and developed a brewery management system for Kane Brewing Company.

- Written in Ruby on Rails, CoffeeScript and SASS
- Used to track the operations of the brewery from raw ingredients to sale
- Developed using Vagrant
- Deployed using Capistrano
- Managed a team of developers
- Essential to Kane Brewing Company's day to day operations

**Co-Founder** TB Software LLC September 2013 - Present  
Belmar, NJ

Co-Founded a software consulting company specializing in mobile and web development. Responsible for managing a distributed team of developers.

Projects

- Porsche 356 Registry (<http://cyanline.com/fdas.php>)
  - Third largest Porsche owners club in the world
  - Written in Ruby on Rails, HTML, SASS, CoffeeScript
  - Deployed with Capistrano
  - Single sign on between the rails application and the existing phpBB forum
  - Responsible for managing development team, interacting with the client and design

**Software Prototype Developer** Rapid Response Institute September 2010 - May 2014  
West Long Branch, NJ

Gathered requirements, designed and developed software prototypes under government contracts.

Projects

- E-Resource - RFID geolocation software
  - Geolocation using active RFID tags
  - Used to track emergency shelter personnel
  - Server written in PHP and MySQL
  - Mobile application written for the iPad using Objective-C
- Shelter Management Application
  - Designed and developed a native iOS, Android phone and tablet application
  - Enable state level emergency operations officials to effectively guide the general population to appropriate shelters.
  - Server written in PHP and MySQL
  - Mobile application written for the iOS using Objective-C
  - Mobile application written for the Android using Java
- XAPP
  - Designed and developed a native iOS application

- Dynamic XML form editor
- used to send and receive messages using the CAP message protocol
- Mobile application written for the iOS using Objective-C
- DataShark HLA Adapter
  - HLA adapter to interact with and inspect the state of the Aegis weapons system simulator
  - Developed under contract with Lockheed Martin
  - Developed in Java

## **Mobile Software Developer**

Studio Symposium  
Point Pleasant, NJ

April 2011 - December 2011

Gathered requirements, designed and developed mobile software for clients. Helped develop Studio Symposiums software development process and documents.

### **Projects**

- Lucent Lockscreen
  - Android lockscreen replacement
  - Written in Java
- Happy Day Coloring Book
  - Childrens coloring book for iPad
  - Written in Objective-C
- Happy Day Bible Stories
  - Children's story book for iPad
  - Written in Objective-C
- 365 Devotions
  - Daily bible quotes delivery application
  - Written for iPhone in Objective-C

## **EDUCATION**

Monmouth University, West Long Branch, NJ

Pursuing Bachelor of Science, Software Engineering, May 2015

## **INTERESTS**

- Football
  - NCAA Division 1 Football Player, Monmouth University
  - High school team captain
- Hobby Electronics
  - Web Accessible temperature control system for homebrewing beer
  - RFID door entry system
- Monmouth University Outdoors Club

## **HONORS AND AWARDS**

- 2013 Jersey Shore Comeback-A-Thon Winner
  - A 24 hour hackathon to support the area with the recovery of hurricane Sandy
  - Developed a system for submitting and requesting information about local businesses
  - Web, iOS and SMS interface
- 2010 All Treasure Coast football team selection