

Basila Nathan

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PROJECTS

FitNic (iOS, Swift, Xcode, Firebase)

[live](#)

FitNic, a fitness app that allows you to, hit your goals and get the most out of your time working out at home or the gym

- Converted full wireframe into a native iOS application with Swift and distributed the app in the AppStore.
- Added third party libraries and frameworks using pods for REST API's handling and implementing both the service layer and the UI CocoaPods Layer.
- Usage of JSON Serialization, NSNotifications, UserDefaults and Firebase to perform multi-threaded development.

Glucotune (React Native, React Redux, Node.js)

[live](#)

Glucotune helps providers better manage their patients blood glucose levels using the latest advances in pattern recognition

- Developed application using ReactJS and Node.js connecting to MySQL and redis on the backend.
- Populated the iOS app by getting JSON data from API calls to the Glucotune REST API.
- Implement charts using React Native pathJS and authentication integration with OAuth.

Local Brew (iOS, Swift, Xcode)

[github](#)

An iOS app that lets users check out the nearest breweries to their current location

- Used Interface Builder to build UI/UX via Storyboards and XIBs, and using AutoLayout in conjunction with size classes to optimize app for the iPhone and iPad.
 - Wrote iOS Unit Tests and UI Tests in Xcode. Responsible for implementing Apple MapKit and Core Location.
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SKILLS

iOS, Swift, Javascript, Python, ReactJS, AngularJS, ExpressJS, Node.js, HTML, CSS3, jQuery, AJAX, SQL, GIT, Django, MongoDB, REST API, Webpack, AWS, UNIX, OS X, Xcode

EXPERIENCE

Software Engineer (iOS) - Glucotune Inc. (July 2016 - Present)

- Performed in a lead developer role on an iOS app for Glucotune.
- Integrated user facing elements with server side logic.
- Designed REST APIs supporting JSON that allow sophisticated, effective and low cost application integration.
- Vet various libraries/frameworks that satisfy technical requirements while focusing on the company's bottom line.
- Work closely with product management and other developers.

Lead Software Engineer - FitNic, Inc. (May 2017 - Present)

- Extensive working knowledge on Swift, and different iOS frameworks such as CocoaTouch, XCTest, Google APIs, Social Framework, UIKit, CoreData, EventKit, CloudKit, SQLite, SwiftyJSON, etc.
- Experience in Rest - Web Service Invocation, Parsing JSON using AFNetworking, SwiftyJSON, NSURLSession.
- Detail oriented developer with experience in the entire software development life-cycle. Including requirements gathering, design, development, testing, debugging and maintenance.
- Familiar with OOP design patterns such as Singletons, KVC, KVO, MVC, MVVM, Protocols & Delegation, etc.
- Worked with blocks/completion handlers and memory management.

Bioinformatics Engineer - Stem Cells Theranostics (2016 - 2017)

- Algorithm optimization design and implementation toward improved performance of large genome assembly. Cut assembler run time by 60% and improved assembly quality.
 - Created a process to analyze genomic data and identify splice events statically associated with tumor occurrence.
 - Database knowledge; relational database programming and/or NoSQL programming (postgres, dynamodb, mongodb, redshift)
 - Programming with Linux, Python and R
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EDUCATION

Software Development - Coding Dojo (2017)

- Immersive software development course emphasizing methodologies including JavaScript, Python, ReactJS, AngularJS, ExpressJS, Node.js, MongoDB, SQL, Django, jQuery.

BS Biological Sciences and Political Science - Santa Clara University, 2015.

NOTABLE

Bhangra Empire

- Member of an internationally acclaimed dance team that's recognized for competing on America's Got Talent (Season 5), performing at President Obama's First State Dinner, featuring in Harper's Bazaar (Nov 2010) as one of Michelle Obama's "favorite up and coming talents," performing annually at the Golden State Warriors Bollywood Night halftime show, and countless other notable achievements.