

# Basila Nathan

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## PROJECTS

### Kanji Skip (MongoDB, ExpressJS, AngularJS, Node.js)

[github](#) | [live](#)

*Web-based learning platform on how to use the system of kanji indexing by patterns (SKIP). User progresses through levels to practice and become familiar with kanji SKIP codes.*

- Designed and developed the website, using Angular for front-end, Express for back-end, and MongoDB for database.
- Collaborated in a team of three developers, using GitHub to track and merge development changes.
- Created a Python script to parse through a kanji dictionary (XML) and generate a JSON file for the database.
- Deployed with Amazon Web Services EC2

### Local Brew (iOS, Swift, Xcode)

[github](#)

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

- Local Brew gathers your location through your mobile device and searches for breweries for you to visit.
- Programmatically accessed REST API to read and write brewery data.
- Wrote iOS Unit Tests and UI Tests in Xcode.
- Responsible for implementing Apple MapKit and Core Location

### Polls (MongoDB, ExpressJS, AngularJS, Node.js, Normalize, Materialize)

[live](#)

*A web-application created using the MEAN stack*

- Solely responsible for creating and deploying through AWS a fully-functional polls web app in under 4.5 hours.
  - Users can create surveys/polls and vote on other users' polls.
  - Designed the database and logic/front end.
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## SKILLS

HTML, CSS, iOS, Javascript, Python, ReactJS, AngularJS, ExpressJS, Node.js, jQuery, SQL, git, Django, MongoDB

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## EXPERIENCE

### Research Associate - Stem Cells Theranostics (2016 - Present)

- Normalized data and created pivot tables from input produced during clinical trial processing.
- Interpreted data from primary and secondary sources using statistical techniques and automated report generations for clients and management.
- Developed and initiated more efficient data collection procedures.
- Worked with other team members to complete special projects and achieve project deadlines.
- Planning, execution and preparation of necessary data set for patent application.
- Lead Quality Control efforts providing feedback, and followed up with changes in product process development.
- Maintained cell bank comprised of 400+ cell lines (160+ iPSC lines).

### Cell Therapy Specialist - Progenitor Cell Therapy: Caladrius Bioscience (2015 - 2016)

- Validated, tested and executed novel cell therapy processes in partnerships with the pharmaceutical industry.
  - Contributed to chimeric antigen T-cell (CART) process development, characterization and implementation for manufactured drug product during Phase II Clinical Trials.
  - Utilized novel automated cell culturing technology to improve the quality and speed of cell line development.
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## EDUCATION

### Web 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.

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## 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.