

# EPHRAIM PEI

## WEB DEVELOPER

A former consultant with an affinity for technology who has turned a new leaf to become a web developer. Seeking opportunities to work on the front-end or back-end of exciting web applications using the latest web technologies.

## Contact

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## Skills

### LANGUAGES

- JavaScript
- Ruby
- Python
- SQL
- CSS3
- SASS
- HTML5
- Git

### DATABASE

- PostgreSQL
- SQLite
- MySQL
- MongoDB

### TECHNOLOGIES

- Node
- React
- jQuery
- d3
- Ruby on Rails
- Flask
- AWS
- Heroku
- Express

## Recent Projects

### Nom noms (Ruby, Rails, JavaScript, React, PostgreSQL)

*A social-themed location search platform inspired by Yelp | [Live](#) | [Github](#)*

- Custom string parsing logic and SQL queries enable partial matching for all searches
- Search by distance implemented in SQL using the Haversine formula
- RESTful JSON APIs render jBuilder views to serve data into Flux
- Google Maps API integrated with search index to reveal a map with clickable markers
- AJAX requests create autocomplete lists and filter search results in real time
- Stores uploaded pictures in AWS S3 using Paperclip and Figaro

### Pomodoro To Do List (Python, Flask, JavaScript, React, MongoDB)

*A to do list application with pomodoro productivity features | [Live](#) | [Github](#)*

- Hand rolled user authentication. Up to 5 session supported
- Stores user, to do items, and pomodoros in MongoLab (MongoDB cloud service). User credentials hashed with BCrypt
- Incorporates latest JavaScript ES6 features and syntax
- Webpack used to manage JavaScript module dependencies and to load ES6 and SASS files
- RESTful API for supporting CRUD operations of to-do list items
- Styling is done with responsiveness in mind (using flexbox, %'s, vw, etc.)

### Sales Reporting Visualization (JavaScript, Node, d3)

*Visualize basic sales data with an interactive tree layout | [Live](#) | [Github](#)*

- Supports multi-tiered hierarchy structures including many to many relationships
- DataStore object enables extremely modular code with separation of concerns
- Filter options trigger DataStore methods to recalculate aggregate data values
- Mouseover/out events reveal mini chart with aggregated sales data from DataStore
- Upload functionality adapts to any column name and field descriptions

### Weather Forecast (JavaScript, Node, React, Bootstrap, d3) - WIP

*A responsive, single page weather forecasting app displaying the five day forecast. This is still a WIP | [Live](#) | [Github](#)*

- Autocomplete feature implemented from Google Place's Web Service API.
- Bootstrap implemented to enable desktop, mobile, and tablet responsiveness
- Queries and processes OpenWeatherMap API's data into a five day forecast

## Employment

### Ernst and Young

Senior IT Consultant

New York City  
Jan 2013 to Sep 2015

- Served as the IT business partner for 2 SAP ERP implementations throughout full SDLC
- Managed workload and prioritization for teams of up to 5 developers
- Designed Demand, Supply, Sales & Ops, and Integrated Business Planning processes
- Advised clients on supply chain planning and IT implementation best practices

### Accenture

Systems Integration Analyst

Washington D.C.  
Nov 2009 to Dec 2012

- Architected 2 end-to-end supply chain planning solutions in SAP ERP
- Implemented 3 SOAP and 6 MILSTRAP XML transaction sets in SAP ERP
- Developed Microsoft Excel tools in Visual Basic and SQL to facilitate project efforts
- Converted legacy sales history data (manual Excel files) into SAP ready data files

## Education

### App Academy 2015

Full stack web development program with emphasis on CS fundamentals, pair programming, and the latest technologies and frameworks. Less than 5% acceptance rate.

Lehigh University  
Bachelors of Science Industrial Engineering 2009  
GPA 3.5 / 4.0

## Volunteering

### APEX for Youth

- Tutor English and Math to underprivileged city youth
- Basketball coach for after school programs