

# 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.

## Contact

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## Skills

### LANGUAGES

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

### DATABASE

- PostgreSQL
- SQLite
- MongoDB

### TECHNOLOGIES

- Node.js
- React.js
- jQuery
- d3.js
- Ruby on Rails
- Flask
- AWS S3
- Heroku

## Activities

- Building web apps
- Running
- Basketball
- Snowboarding

## Recent Projects

### Nom noms (Ruby, Rails, JavaScript, React.js, 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
- Hand rolled user authentication encrypted passwords with BCrypt
- 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

### Sales Reporting Visualization (JavaScript, Node.js, D3.js)

*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

### Chatterbox (Python, Flask, JavaScript, React.js, MongoDB)

*A fun, Slack like chat application using WebSockets (this app is a WIP) | [Github](#)*

- Incorporates latest JavaScript ES6 features and syntax
- Webpack used to manage JavaScript module dependencies and to load ES6 and SASS files
- Logging in establishes client to server WebSocket connection
- Global chat room and private, peer to peer, chat rooms supported
- Stores user and chat messages in MongoDB (user credentials hashed with BCrypt)

## Employment

### Ernst and Young

Senior IT Consultant

New York City

Jan 2013 to Sep 2015

- Served as the IT business partner for 2 SAP 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

Sep 2015 to Current

- Tutor english and math to 4th graders
- Basketball coach for elementary school after school program