

# CARRIE THURNAU

## Full Stack Software Developer

Greater Seattle Area

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## EXPERIENCE

### Learn Songs

Learn Songs is a web application that enables the user to learn a new language in a fun way - by singing along with their favorite songs in the new language. The user can input the lyrics for any song in multiple languages and then choose to display the lyrics in two languages side by side as they sing along.

#### Contributions:

- Conceived initial concept for application
- Designed and implemented OOP methodologies for all application elements
- Utilized GitHub for version control

#### Technologies Utilized:

- Java, Spring Boot, REST, MVC, CRUD, Authentication

### Movie Reviews

Allows groups of friends or relatives to create their own movie review database. Each group shares a common log on, enters data for movies, and adds their own reviews. They can select by genre, read reviews, and sort movies by genre and average star ratings assigned by their friends.

#### Contributions:

- Designed and implemented OOP methodologies for the entire application
- Designed and coded MVP
- Utilized GitHub for version control

#### Technologies Utilized:

- JavaScript, TypeScript, RESTful Architecture, MVC, CRUD, MongoDB

### Senior Software Engineer

#### Contributions:

- Expert software developer with 24 years experience
- Full life cycle development of real-time embedded aviation applications (The Boeing Company)
- Full life cycle development of high-volume telephony billing systems (Electric Lightwave, Inc.)
- Experienced team leader
- Well known for having excellent communication and presentation skills

#### Technologies Utilized:

- Ada, C, C++, Perl, UNIX, Oracle

## TECHNICAL SKILLS

### Programming Languages

Python

JavaScript

TypeScript

### Databases

MySQL

SQLite

NoSQL (MongoDB)

### Front End Development

JQuery

AJAX

HTML

CSS

Bootstrap

### Frameworks/Methodologies

Django

Angular 4/5

Express

Node.js

Flask

OOP

MVC

RESTful Architecture

### Software/Dev Tools

Git/GitHub

AWS EC2

VS Code

## EDUCATION

### Coding Dojo-Bellevue, WA

#### Certificate of Completion

📅 2018

- Full stack courses in JavaScript, Python & Java
- Completed over +1000 hours of hands on coding experience

### University of California at Santa Barbara

#### B.S. Mechanical Engineering

📅 1981

### University of Washington

#### Engineering Post Baccalaureate Studies (Computer Science)

📅 1983