

## EXPERIENCE

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### **Senior Full Stack web developer** March 2015 – Present

Franchise Tax Board, Sacramento, CA

#### **Public Facing Applications Group.**

- Lead developer of [CalFile](#) application (State of California free version of Tax Filing application (like TurboTax) that is used by 200,000 Californians each year).
  - Used .NET MVC framework to rewrite the application from scratch from web forms. CalFile consists of 80 pages of mostly forms, which are heavily validated with business rules and tax logic to determine flow of the application.
  - Developed a Validation library on top of .net MVC to standardize validation and error message handling for all Franchise Tax Board applications.
  - Developing complex SQL queries, Stored Procedures, functions and packages, tables, and views. Creating multiple types of joins, data connectivity and data integration of MS SQL.
  - Generated tax return pdf from user input using iText.
  - Made CalFile application fully accessible for WCAG 2.0 standard.
- Sole developer of [INC](#) application, an automatic demand resolution application for non-filers.
  - Implemented very complicated business logic to determine which case to close, based on user input and case situations.
  - Developed using .net MVC from scratch. INC consists of 40 pages of data gathering forms.
- Sole developer of [Wait Time Dashboard](#), an application that informs the website user of the wait time.
  - Single Page Application written in VueJs for the front end.
  - It updates the wait time every minute on client.
  - It has a standalone admin tool, which lets business change all the texts on the application, without the need for contacting IT or deployment.

#### **Court Order Debt Software Group**

- Maintained and Developed batch jobs to process millions of records on a daily basis using Java. Spring framework, JDBC and JSP
- Re-architected part of batch jobs and reduced the running time from 5 hours to 10 min
- Fixed the application to prevent major deadlocks in the DB saving hours of batch processing

### **Part-time Consultant** Oct 2018 - Present

GeneDrop, San Francisco, CA

- Helped to develop and maintain [Lucid](#), a sequence alignment viewer.
- Added ability to stream 100+ GB files over HTTP and FTP instead of downloading.
- Created an Ubuntu package that uses a Docker image to distribute [Magnolia](#), a trainable variant caller for gnome sequencing.

### **Software Engineer** Jul 2008 - May 2010

Farineh, Tehran, Iran

- Developed and maintained Farineh HMI, a windows application that let user draw Human Machine Interface for Farineh PLC system
- Developed common component library for Farineh HMI for different industrial components.
- Developed database functions, stored procedures and views using MS SQL Server and MySQL.

7+ years of experience

US Citizen

## **TECHNICAL SKILLS**

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.Net, C#, JavaScript, Java  
NoteJs, Meteor, VueJS, Blaze,  
HapiJS, NPM, webpack, .Net MVC,  
webforms, Web API, Entity, SQL,  
NoSQL, MS SQL, DB2, MongoDB,  
PostgreSQL, HTML, CSS, Bootstrap,  
SASS, Spring, Hibernate, JDBC,  
JSP, XML, Docker, Linux, TFS,  
MSBuild, NUnit

## **Major Side Projects**

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### [3D Viewer For Trello](#)

Power Up for Trello that allows users to view and interact with their 3D objects in the browser and eliminates the need to download and open the file in a separate software.

*JS using Trello API and Three.js*

### [Comment On Image For Jira](#)

Add on for Jira that lets users directly comment on images of the issues

*HapiJS, MongoDB, VueJS, KonvaJS*

### [AdSentence.io](#)

AdWords tool that scraps Google every hour and collects all the ads shown on the page. It shows data in charts and tables.

Scraps Google every hour with NightmareJS, PostgreSQL, HapiJS, VueJS, ChartJS, Google OAuth

### **CoWriteStory**

Platform for people to cooperatively write stories.

Meteor, Node, BlazeJS, MongoDB, Docker, Nginx

## **EDUCATION**

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### **MS in Computer Engineering**

California State University, Northridge  
Northridge, CA May 2013

- Project: Vehicle speed detection with traffic camera with image processing using Xilinx FPGA

### **BS in Electrical Engineering** Qazvin

Azad University

Qazvin, Iran

Dec 2009