

# Surafel Defar

San Jose, CA | (408) 364-6549 | [contact@surafel.com](mailto:contact@surafel.com) | [surafel.com](http://surafel.com) | [linkedin.com/in/surafeldefar](https://linkedin.com/in/surafeldefar)

## TECHNOLOGIES

I currently focus on JavaScript, React, Node.js and their ecosystem, but I have worked with the following languages and frameworks throughout my career; Python, Java, C, Scheme, web2py, Flask, Elasticsearch, Firebase, relational databases, Twilio, Google maps, Documents, Calendars, Spreadsheet apis, HTML/CSS, Adobe Photoshop and illustrator

## EXPERIENCES

**Co-founder, Zagol** 2016 - 2016

*A new visual way to browse foods around your area*

- Developed geofencing algorithm to selectively get restaurants around a specific area
- Used React, Node.js, Express to create the data entry section and integrated Elasticsearch to efficiently search data
- Used the "12 factor app" method to make our backend easy for maintenance and deployment
- JWT to authenticate users and define role-based access, unit test with tape and deployment with pm2 on Amazon AWS
- Used google location and google maps api to poll and merge restaurant information with our existing data

**Lead Developer, Tax Shield and Titan Tax** 2014 - 2016

*A CRM website for two tax companies in East Coast*

- Developed the initial version of a tax SaaS application that integrated with different tax software and bank products.
- Created a live call analytics single page dashboard using react, Node.js, Firebase and Python Flask that displays calls live, as they are being placed and recorded for later analysis in a user-friendly interface
- Incorporated different fraud-mitigation tactics using check verification methods and bank apis
- Designed authentication, authorization and different user role hierarchies. Learned new ways to develop a secure web application as this software dealt directly with money distribution and tax information of customers
- Created different file converters, check printers and used windows batch scripting for automating these processes

**Software Engineer - Project Architect, MyFinalResume** 2013

*A website where employers can filter applicants based on different criterias*

- Complete website creation, backend - frontend using python and the web2py web framework

**Web Developer and Designer, Valley Transportation Authority** 2012

*Worked as site maintainer and web developer intern for the company wide intranet during the summer of 2012*

- Designed different web pages using HTML/CSS Javascript

**Software Engineer, #1 Airport Shuttle** 2011 - 2012

*A shuttle reservation website for a small business based in san jose*

- Responsible for developing an entire reservation and dispatching pipeline web application. Designed and programmed the backend code for organizing and dispatching reservations and drivers, leveraging Google maps, documents, Calendars, Spreadsheet and other APIs

## PROJECTS

**Read Time - A chrome extension that estimates the minutes it takes to read a webpage** 2016

**Doro map - mapping application something akin to google maps c. 2005** 2008

- Developed a mapping application using Adobe ActionScript. Mapped the capital and one small city in Ethiopia
- The first digital map accessible for the masses. Contracted to create the official map of Bishoftu city

## EDUCATION

**San Jose State University - BSc in Computer Science** 2014

**Interests and likes** - I used to be an avid tennis player, I still play when I find the time. I love going on hikes. I like efficiency and minimalism, I always try to find new ways to gain more time by automating chores (I see some type of beauty in this, let me know if there is a name for this). If you like shaving a minute here and there you might like my chrome extension <https://github.com/usergit/read-time>