# Lovinder S Pnag

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## Summary

Web Developer with a background in biochemistry and chemistry. I enjoy learning and am eager to pick up new skills and languages. Great interpersonal skills (great at working in a team) and love building things together. A constantly changing environment is part of what software development is about and is what drew me to becoming a web developer.

## Skills

Ruby on and off Rails, Object Oriented Design, HTML5 & CSS3, JavaScript (AJAX, jQuery), TDD (RSpec, Capybara, Jasmine), PHP, Git, Heroku, PostgreSQL, SQLite, Agile Development.

## Projects

ExitSlips
ExitSlips provides teachers with a simple way to collect data and act on it. Teachers add a class and students to that class, then create a quiz for that class. Students take the quiz and the results are immediately available for the teacher to view. ExitSlips also sorts students into groups based on the results of the quiz so the teacher can use them in the next day's instruction.

You-Owe-Me-Homie
You Owe Me Homie lets you track debit and credit between members of a customized group. Recipients must confirm each transaction before the app factors it into calculations. Users can view histories of confirmed, pending, and denied transactions between any two members.

NutreeSource
NuTreeSource solves of the problem of tracking fertilizer application. NuTreeSource helps optimize almond yield by smart budgeting and tracking of fertilizer application by storing application in a database and calculating the recommended application from UC guidelines. Allows for storing of observations and and organizing data so it can be visualized as a whole and make data driven decisions regarding the future.

## Education

Dev Bootcamp
Web Development
2014 – 2014
Dev Bootcamp is a 9-week intensive training program for web developers, specializing in Ruby and Rails. I graduated the program in October 2014.
- With over a thousand hours in coding, I built a fluency in software programming with a focus both on solving algorithmic problems as well as on web application design and structure.

- Through a series of hands-on group projects that produced functional web applications, I learned the value of version control, team communications, test driven development, and iterative software development.

University of California, Los Angeles
Bachelor's Degree, Biochemistry
2004 – 2008
Studied the chemical processes within and relating to living organisms.

California State University-East Bay
Graduate courses in Chemistry
2008 – 2010
Chemistry studied the processes of change and matter.

**Experience**

CoverMyMeds - Apprentice
May - Dec 2015
Internship/Apprenticeship with senior developers at CoverMyMeds. Helped work on different apps in the Prescriber Vertical (presriber oriented interface). Worked on the formpicker app, signup process, and Choose New Form button. Helped contribute to changing CoverMyMeds monolithic codebase(PHP and Zend) to microservices (Ruby and Rails).

AppsforAg
April 17-19 Coalinga, CA
Participated in first inaugural Apps for Ag hackathon. Concept was to bring commercial agricultural producers(aka growers) together with software developers to collaboratively bring solutions to real-world challenges. The purpose is to build technical solutions to grower's problems, so that grower's can more effectively and sustainably feed the world.

Dev Bootcamp Web Development Student
June 2014 – October 2014 (5 months)Greater Chicago Area
Completed 9-week intensive web development program. Learned and practiced Ruby on Rails, HTML5, CSS, TDD, Javascript (AJAX, jQuery), Git and Source Control, Heroku, and Agile Development.

AnaSpec Peptide Chemist
Company: AnaSpec
July 2011 – June 2014 (3 years)Fremont, CA
Synthesized peptides both in solution phase and on solid phase. Perform peptide or other molecule analysis. Performed peptide purification using Prep-HPLC,recrystallization, and others.

Research Assistant
Dr. Kim's research group (CSUEB)
February 2009 – April 2010 (1 year 3 months)
Optimization, transcription, and purification of RNA motifs. Three dimensional analyses of viruses using NMR.