

Spencer Sims

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Open Source Projects: <http://spencersims.com/github>

Physical Address: 10512 S. 7th Ave Inglewood, CA 90303

Education:

Oakwood University: BS Computer Science. 2008-2012

Professional Employment:

HopSkipDrive | Los Angeles, CA June 2016- Present

Site Reliability Engineer.

HopSkipDrive is an online Transportation Network Company for children.

- Constructed real-time monitoring applications for systems and admin.
- Demand forecasting and capacity planning.
- Release engineering and Continuous Integration.

Technologies used: AWS EC2, AWS Beanstalk, AWS SQS, Google Cloud Engine

HopSkipDrive | Los Angeles, CA July 2015- June 2016

Lead Full Stack Engineer / DevOps

HopSkipDrive is an online Transportation Network Company for children.

- Built node offer dispatch engine using Amazon SQS queues and state machines.
- Built systems for collecting and cleaning up GPS data to provide accurate distance estimation down to 0.999%.
- Implemented systems for developers to test new features in sandbox environments.
- Constructed real-time monitoring applications for systems and admin.
- Mentored more junior developers.
- Built tooling.
- Created and developed RESTful API web services.

Technologies used: AWS EC2, AWS Beanstalk, AWS SQS, Node Js, Mongo DB, Meteor JS.

Sanguine Biosciences | Los Angeles, CA February 2014- June 2015

Lead Full Stack Engineer

Sanguine is a digital clinical research organization.

- Created and developed RESTful API web services.
- Architected digital platform using Angular/Ionic, Node JS.
- Mentored Junior Developers and hired senior personnel.

- Designed and Built a Self-Scheduling system matching up the schedules of healthcare workers, clients and donors. (patent pending)
- Managed outside technical agencies and project management.

Technologies used: Linux, Angular JS, Ionic, Node Js, Mongo DB, Express, Mongoose JS. , Python, Salesforce , Redis, Jasmine, Browserify.

Idea Nerd | Los Angeles, CA January 2014- February 2014

Web Engineer

Idea Nerd is a software studio that specializes in web and mobile product development.

- Created and developed RESTful API web services.
- Developed single-page JavaScript MVC/MVVM applications using Angular JS.

Technologies used: Node JS, Angular JS.

Idea Nerd | Los Angeles, CA October 2014- December 2014

Web Engineer Intern

Idea Nerd is a software studio that specializes in web and mobile product development.

- Created and developed RESTful API web services.
- Created scripts to automate server tasks.
- Developed single-page JavaScript MVC/MVVM applications using Angular JS.

Technologies used: Linux, jQuery, Angular JS, Node Js, Mongo DB, Express, Mongoose JS., Python

Los Angeles Adventist Academy | Los Angeles, CA August 2012- January 2013

Computer Science/Math Teacher

Los Angeles Adventist Academy is a private K-12 Seventh-day Adventist school.

- Taught Computer Science concepts for grades 1-8th. Taught computer literacy, computer applications for grades 9 and 11 respectively. Provided after-school tutoring. Built keyboarding software to teach keyboarding to 9th graders. Gave a talk at the 2013 Joint Mathematics Meetings about teaching mathematics using programming languages.
- Ran the robotics/computer science club in which the students studied the basics of C++.
- Taught PHP and JavaScript concepts.
- Planned, Created and launched main website. Placed emphasis on usability.

Technologies used: PHP, MS Office, JavaScript.

References:

References are available upon request.