

# William Vaughn - San Francisco, CA

Software Engineering Manager

Email: [vaughnwilld@gmail.com](mailto:vaughnwilld@gmail.com)

## Objective

To build, architect, and operate data-centric software applications. To create productive software environments that challenge, teach, grow, and support professional craftspersons.

## Employment

### Carbon Lighthouse - San Francisco, CA

#### 2016-Present Sr. SWE, Lead SWE, SWE Manager

Mission driven company to stop climate change through energy efficiency in commercial real estate.

Lead a devops team building energy modeling applications on AWS, Kubernetes, and Python.

- Designed and built data ingest system enabling work in hundreds of commercial real estate assets.
- Improved error rates and performance metrics by migrating from HBASE to AWS DynamoDb.
- Automated onboarding, offboarding, account management, and developer environment provisioning with AWS CDK/CloudFormation, scripts, and ansible.
- Developed tooling and infrastructure to publish documentation from dozens of code repositories to an internally facing static website, resulting in turning local team knowledge into company wide lessons.
- Shortened delivery/feedback cycles by transitioning team to cross-functional agile teams.
- Guided direct reports through COVID-19 remote transitions and two rounds of layoffs.
- Revamped software engineer hiring process adapting it to remote positions and outstaffing.

### R/GA - Portland OR

#### 2015-2016 Sr. SWE

Premiere design, branding, and advertising agency.

Was embedded at Nike Headquarters on the Nike By You (aka Nike iD) product customization team.

- Delivered new mobile/web frontend for one of Nike's most profitable online experiences.
- Unlocked new sales drivers by working hand-in-hand with Nike.com teams to provide API integrations between our embedded app and product pages.
- Bootstrapped team successfully to learn React/Redux and adopt test first culture.

### Cascade Energy - Portland, OR

#### 2012-2016 SWE, Sr. SWE

Industrial Energy Efficiency Consultancy.

Full-stack development of industrial energy management tool SENSEI.

- Built scalable file ingest system on AWS EC2, S3, SQS, and DynamoDb.
- Developed calculation UI and API enabling expert mechanical engineers to create models on time-series measurements.

### ID Branding/Liquid Agency - Portland, OR

#### 2010-2012 Jr. SWE

Brand advertising, design, strategy and experience agency. ID

Branding was acquired by Liquid Agency in early 2011.

- High level design and brand communication web applications for clients.
- Microsites for Nike, Trimet, and other regional clients.

## Education

- Portland State University, September 2009-Jan 2010 (No Degree)
  - Pacific University, August 2004 – March 2006 (No Degree)
  - University of Oregon September 2002 – June 2004 (No Degree)
  - La Grande High School, Graduated 2002
-