

# ALEX ZLOTNIK

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[GitLab](#) [GitHub](#) [LinkedIn](#)

## SUMMARY

I am a full-stack web engineer with leadership skills and a strong mathematical background. I enjoy solving tough problems related to data analysis, architecture, and product development.

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## EXPERIENCE

### [BRD](#), Principal Software Engineer

*remote; 2017-present*

I'm the technical lead for the web team. We manage websites, libraries, and microservices that support the cryptocurrency phone apps as well as various other business needs.

- Work in js, go, postgresql, GCP
- Bring new members up to speed with architecture and workflow
- Mentor and assure quality of code going out
- Plan projects for myself and others to implement
- Maintain infrastructure in order to keep things moving

### [Citrix](#), Software Engineer

*Santa Barbara, California; 2015-2017*

I worked with a small team of engineers building RightSignature. We all worked full-stack, pairing on and reviewing each others' work. I coordinated with other departments in order to realize project success.

- Worked in rails, emberjs, postgresql, AWS
- Managed the release of the RightSignature standalone product

### [Subvertical](#), Software Architect

*Santa Barbara, California; 2014-2015*

I owned the flagship product, VerticalChange. I met with clients and planned long-term goals for the company.

- Worked in rails, angularjs, postgresql, AWS
- Pivoted the application from data collection to data sharing
- Managed all new feature releases

### [Opus Logica](#), Software Engineer

*Santa Barbara, California; 2011-2014*

I built several prototype applications as well as maintained existing early-stage startup applications.

- Developed an asynchronous analysis engine for Ecorithm, a building efficiency company (node, rabbitmq, mysql, redis)

[Ecorithm](#)

- Created Buildzu Connect, a full-featured construction management tool (cordova, rails, backbone)

[BuildZu](#)

- Re-built the Cocoon frontend, a web anonymity tool, and implemented the Cocoon Kids frontend feature (rails, backbone).

[Cocoon](#)

- Made a mass-emailing system with a complex trigger language (rails, mysql)

[Virtual World Computing](#)

- Coded Iblack.com, an astrology app, including an engine for predicting the location of planetary bodies (rails, mysql)

[Linda C. Black Astrology](#)

## **[Airswimmers](#), Software Consultant**

*remote; 2011-2012*

I wrote an inflation simulator for a complex balloon toy.

- Wrote a physics engine that simulates forces on all points on an oddly shaped balloon (processing)
- Calculated fluid dynamic statistics to insure correct inflation of balloons

## **[The Vespertine Circus](#), Director and Acrobat**

*Oakland, California; 2009-2011*

I directed stage performances, collaborated on acrobatic choreography, and managed equipment construction.

## **[Novasite](#), Research Technician**

*San Diego, California; 2005*

I ran experiments for optimizing chemotherapy.

## **[The Scripps Research Institute](#), Research Assistant**

*San Diego, California; 2004*

I created a soluble  $\gamma\delta$  T cell receptor. This can be used to discover mechanisms that play a role in wound healing.

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## **EDUCATION**

- MA, Mathematics, 2010  
University of California Santa Cruz
- BS, Mathematics, High Honors, 2008

## SKILLS

- English, Spanish (spoken)
- JavaScript, Ruby, Golang, Python, Java, SQL
- Ruby on Rails, Node, Gin, Ember, Angular, Backbone
- Git, Emacs, Linux, Docker, AMQP