

# 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

### [Pando](#), Founding Engineer

*remote; 2021-present*

I'm on a fresh, tiny team. We're building a JS app to revolutionize career management.

- Working in js, postgresql, html, css
- Constantly making tradeoffs between speed and quality
- Pushing for efficient and respectful workflows
- Building a framework from scratch
- Managing infrastructure and other tooling

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

*remote; 2017-2021*

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

- Worked in js, go, postgresql, GCP
- Brought new members up to speed with architecture and workflow
- Mentored and assured quality of code going out
- Planned projects for myself and others to implement
- Maintained 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 lcblack.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  
University of California Santa Barbara
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## SKILLS

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