

## PERSONA

My name is Alexander Vaos and I love changing the world.

I've worn nearly ever hat I could put on in the last 23 years. I truly love being a part of something meaningful.

I love every part of creating a product: starting from an abstract idea, working through the experience, writing up it's features, designing it, architecting it, building the front-end and back-end, integrating with other apps, bringing it together, testing, and ending at a physical result that makes a difference in someone's life. At an early age, I pursued design and programming, eventually learning some of the other components of a business: marketing, product management, business development, sales. I worked as a part of every company size, from startup to enterprise. I've learned the delicacy of a startup, and how essential ROI can be for the roadmap of any company.

I'd like to make an impact and create products people love, use, and can learn things from. I'd like the change the world one step at a time.

## PORTFOLIO

<b>RESUME</b>	ALEXVAOS.COM/RESUME
<b>WEBSITE</b>	ALEXVAOS.COM
<b>GITHUB</b>	GITHUB.COM/KRIOGENXO
<b>LINKEDIN</b>	LINKEDIN.COM/PUB/ALEX-VAOS
<b>STACKOVERFLOW</b>	STACKOVERFLOW.COM/USERS/327934/ALEX-V
<b>BEHANCE</b>	BEHANCE.NET/KRIOGENX

## POSITIONS

2018-NOW

LEAD SOFTWARE ENGINEER

APPLE

RETAIL TECHNOLOGY & DEMO SYSTEMS ENGINEERING

Many roles depending on project. Projects included high-profile undisclosed products.

### Lead Engineer

Started, owned, and maintained of around 15 applications including iOS & iPad apps, macOS apps, web apps, and APIs. Requested additional resources for some projects and lead teams of Engineers, Product, Testers, etc. As Lead, created Architectural Diagrams, User Flowcharts, PRDs, Technical discussions, ran Agile meetings, enforced code reviews, and constantly ensured each application was operating. Developed apps in tools used below.

### Design & Product Management

Product Management, Project Management, and UX Designer of web and native apps. This includes writing BRD's, PRD's, User Analysis, Personas, Wireframes, Flowcharts, Architectural Diagrams, Data Flow diagrams, Keynote decks. Running Sprints and Standups, Radar Board management.

### Projects

Device Automation & Apps for In-Store Devices, Retail In-Store Engraving at Fifth Avenue (iOS App & API), Store Directory (web UI, API), Public Cache layer (API, Redis), Demo iOS App Layout tool (web app), App nomination tool (web app), MDM Deployment tool (web app), built macOS & iOS Apps in Swift.

### Tools Used

Native - Swift, SwiftUI, XCTest, CoreAutomation, Objective-C  
FE - React, React Native, Webpack, Bootstrap, Redux, Sass, Lodash, Superagent/Axios, jQuery  
BE - Rails, Rack, Ruby, NodeJS, Swift, Python, Flask, FastAPI, Gunicorn, Nginx, Postgres, MariaDB, Redis  
DevOps - Docker, Jenkins, Kubernetes, Capistrano, Chef  
PM - Quip, Radar, Jira, Miro, OmniGraffle, Sketch

2015-2018

LEAD APPLICATION ENGINEER

MEDIDATA

MDSOL.COM

Building and overseeing 8 codebases as once, web applications and API services. Configured countless new applications from scratch with Ruby (Rails, Rack, Roda), NodeJS (Express), and UI applications (React/Webpack). Mentored and lead the UI Teams. Lead teams to use new technologies and architectures such as React, Webpack, Flux, Rack, NodeJS. Architected systems for Single Page Applications in serverless and thin middleware configurations. DevOps for all new servers. Integrated with SocketLabs, SumoLogic, New Relic, CAS. Revived and upgraded legacy Rails projects. Ported Rails apps from views to SPA. Completely overhauled front end assets. Built a PubSub messaging service. Architected and maintained shared component libraries.

### Lead UI Engineer

Oversaw small teams to create new web apps. Built front end applications with Webpack, React, AngularJS, Superagent/Axios, Bootstrap, Sass.

### Software Development in Test (SDET)

Designed Testing frameworks for Microservices / SOA Architecture. Mentored Testing teams on architectural challenges and SPA challenges. Testing SPAs with Karma, Jest, Mocha, Chai, Sinon, Enzyme, Puppeteer, CucumberJS, Cucumber (Ruby), Capybara, SitePrism, Pact, Mountebank.

### DevOps & Architecture

Configured, maintained, deployed and troubleshooted AWS instances with chef recipes, Capistrano. Configured Encryption at Rest on RDS. Used Docker, Vagrant, and 12 Factor deployment methodologies. Strong understanding of Nginx, Passenger, Puma. Designed Proof of concepts in Serverless and thin middleware using Roda & Rack.

2015

SENIOR UI ENGINEER

GUIDEBOOK

GUIDEBOOK.COM

Front-End position based primarily on React. Created endless reusable React Components decoupled from business logic. Used Facebook Flux for unidirectional data flow. Used many libraries such as React Router, Formsy, Bootstrap, while forking and making contributions to some. Ran Agile Methodology / Sprints on team of 10. Established a proper issue tracking system and Agile process. Deployed using Ansible to Cloudfront for serverless SPA architecture. Gulp & Cult used for JS Tasks. Configured test architecture with CucumberJS to run end to end tests. Experience with Django (Python) Backend.

### Tools Used

FE - React, FB Flux, FormsyJS, BackboneJS, PromiseJS, React Router, Bootstrap  
BE - NodeJS, Webpack, CucumberJS, Django (Python)  
DevOps - Gulp/Cult, Shell (BASH), Ansible, Chef

2012-2014

SENIOR FULLSTACK ENGINEER

PLUM DISTRICT

DAILY DEAL SERIES C STARTUP

Daily Deal startup in San Francisco, CA. Hired for a Serverless Single Page Application in BackboneJS, Handlebars, Stache, SASS. Startup pivoted and switched responsibilities to Product, Design, and Back-end Engineering. Product & Design for Email Campaigns, a Marketplace, and many pivot ventures. Created an Email Sending service on Rack using DelayedJobs, ActiveRecord, NodeJS. Created an Email Templating WYSIWYG piece with running custom SQL queries for Analytics. Created a PubSub Notification server with Rails, Redis. SocketIO. Configured Chef Deployments and wrote recipes in Ruby and Shell Scripts. Maintained API (Rails 3), Product Site (REE 1.8 / Rails 2), Mobile App (Objective C). Merged acquired startup's front and back end into product. Integrations & Monitoring with Airbrake, New Relic, SendGrid, MailGun, Shopify. Used Vagrant & VM and wrote Shell Scripts for provisions and deployment. Testing with Cucumber, Capybara, SitePrism (Page Object Model)

### Tools Used

BE - Rails 2, 3, 4, RSpec, MySQL, NodeJS, SocketIO, Redis, Resque, DelayedJobs, Chef, Bash, Authorize.net  
FE - jQuery, BackboneJS, Mustache, CoffeeScript, CucumberJS  
PM - Product Prototyping & Design, Personas, Focus Groups, Email Design, Site Design, Marketing, SEO

2011-2012

CHIEF ENGINEER

OMNESCO

AUTOMOTIVE WARRANTY STARTUP

CTO (Team of two) of Automotive Warranty Startup in Los Gatos, CA. Built Vehicle Selector, Shopping Cart with Product Options. Built Scraping Tool, Asset Compressor. Integrated with external SOAP API. Wrote Integration Tests.

### Tools Used

FE - jQuery, Mustache  
BE - LAMP (PHP, MySQL), Restful APIs, SOAP APIs, Authorize.Net, Unit Tests  
PM - Product Development, Email Design, Site Design, Marketing, SEO

2011

FRONT-END ENGINEER

SAVEOLOGY

SAVEOLOGY.COM

Saveology is a corporation of approximately 1400 employees based in Fort Lauderdale, Florida. Rails Engineer & Front-End Engineer for new ventures in an existing corporate company. ASP.NET (C# & Visual Basic) Engineer and Front-End Engineer for corporate side of company. Mentored and lead weekly discussions on large team on Front-End Architecture. Worked on Rails Daily Deal site with HAML, SASS. Developed and ran Cucumber automated tests.

### Tools Used

C#, Visual Basic, ASP.NET MVC 3, WebForms, MSSQL, Rails, Postgres, HAML, SASS, Cucumber, Team Foundation Server, Git, SVN

2009-2011

FULLSTACK ENGINEER

AUCTION123

AUCTION123.COM

Small Automotive Company (<50 employees) based in Weston, FL. Ran Product & Design, and managed off-shore team for startup venture. Built platform tools for corporate SASS and dealership websites. Early adoption of Facebook Integration (FML) and won award for best Automotive Facebook Application. Designed and built custom Dealership websites in PHP, Javascript, CSS. Wrote countless jQuery plugins and native Javascript tools including: Image Previewing tools, Selection Marquee, Carousels. Wrote C#, coolite, spark, and razor templates for corporate software, using YUI for tools and compression. Built rich applications in Sencha (ExtJS) for corporate software. Built Photoshop template and ExtendScript (PS) for producing infinite colors scenes available for all browsers at the time. Wrote scripts in ActionScript to import data into Flash from WebServices.

### Tools Used

FE - Sencha (ExtJS), jQuery, Flash. Built jQuery Plugins, Image Tools, Marquee, Carousels, Facebook Page Development  
BE - ASP.NET C# with Razor & Spark, MVC 3, Coolite, Webforms, Facebook Development, YUI Compressor, Resharper  
Misc - Product Management for startup venture, Site Designs, Extendscript For Photoshop Color Scripting

2007-2010

FULLSTACK ENGINEER

WINTER MUSIC CONFERENCE

WINTERMUSICCONFERENCE.COM

Small Company responsible for massive annual music conference, based in Fort Lauderdale, FL. Single Fullstack Engineer on small team of 10. Single handily designed and developed many applications including: A Voting Ballet, a social network with messaging, event listing tool, surveys, Ajax Photography tool. Ported event manager from Classic ASP (VBscript) to PHP, while redesigning and adding new features. Built and configured eCommerce store. Print Design and layout for books, magazines, brochures, tickets, shirts, products, flyers by using Photoshop, Illustrator, Indesign, Quark. Wrote export scripts for Indesign to layout entire books with styles. Web design for site and web apps. Event & Product Photography.

### Tools Used

LAMP stack (Linux, Apache, MySQL, PHP) deployed on dedicated servers. Classic ASP VBScript. jQuery, AJAX, Photoshop Extendscript.

## PERSONAL LIFE

### Interests

Songwriting, Audio Engineering, Photography, Filmmaking, Mechanics, Circuits

### Sports

Surfing, Skateboarding, Rockclimbing, MMA, Mountain Biking, Horseback riding, Kayaking

### Languages

German (Intermediate), Greek (Beginner)