ALEXANDER VAOS

LEAD SOFTWARE ENGINEER
ALEXVAOS@ME.COM · 754.281.9609 · ALEXVAOS.COM

PERSONA

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

I've worn nearly ever hat I could put on since 2004. 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 to change the world one step at a time.

PORTFOLIO

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

POSITIONS

2018-NOW — LEAD SOFTWARE ENGINEER — APPLE — RETAIL TECHNOLOGY

Many roles depending on project. Projects included high-profile undisclosed products, and high-impact of all devices in Retail Stores.

Lead Engineer
Built 15 applications. Single-handedly built 7 apps (6 UIs & APIs and one Swift CLI). High profile apps are running on thousands of in-store devices. Lead teams to build 4 apps. Architected most apps. Created Architectural Diagrams, Data Flow diagrams, BRD's & PRD's, ran issue trackers and meetings. Lead teams of Engineers, Product, and QA.

Product & Design
Product Management, Project Management, and UX Designer of web and native apps. This includes writing BRD's, PRD's, User Analysis, Personas, Wireframes, Flowcharts, 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
Native - Swift, SwiftUI, XCTest, CoreAutomation, Objective-C, React Native
FE - React, Webpack, Bootstrap, Redux, Sass, Lodash, Superagent/Axios, jQuery
BE - Rails, Rack, Ruby, NodeJS, Swift, Python, Flask, FastAPI, Gunicorn, Nginx, Postgres, MariaDB/MySQL, Redis
DevOps - Docker, Shell, Jenkins, Kubernetes, Capistrano, Chef
PM - Sketch, Photoshop, Radar, Jira, Miro, Wrike, OmniGraffle

2015-2018 — LEAD APPLICATION ENGINEER — MEDIDATA — MDSOL.COM

Medidata is a company that writes software for clinical trials and submits them to the FDA. The FDA audits their software tests, so tests must extremely well performing.

Lead Application Engineer
Building and overseeing 8 codebases at once, web apps (UI's & API's).
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.
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.
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 UI's & API's with Karma, Jest, Mocha, Chai, Sinon, Enzyme, Puppeteer, CucumberJS, Cucumber (Ruby), Capybara, SitePrism, Pact, Mountebank.

Architect
Architected systems for Singe Page Applications in serverless and thin middleware configurations. DevOps for all new servers.
Configured, maintained, deployed, and troubleshoot AWS instances with Chef recipes and Capistrano scripts.
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
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 recipies 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
BE - Ruby, 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 TECHNOLOGY OFFICER — OMNESCO — AUTOMOTIVE WARRANTY STARTUP

CTO (Team of four) 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
FE - jQuery, Mustache, HTML5, CSS3
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 Laudedale, 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
BE - Ruby, Rails, C#, Visual Basic, ASP.NET MVC 3, WebForms, MSSQL, Postgres
FE - HAML, SASS
Others - 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 scemes available for all browsers at the time. Wrote scripts in ActionScript to import data into Flash from WebServices.

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

2004-2007

Additional positions hidden for sake of space. Professional experience since 2004. Engineering experience since 1997.

PERSONAL LIFE

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

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

Languages
German (Intermediate), Greek (Beginner)