

# DAVID VILLARREAL

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<https://github.com/Phaze1D>

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## PROFESSIONAL SUMMARY

Highly skilled software development professional bringing more than 7 years in software design, development and integration. Extremely comfortable in all programming languages that you can throw at me do to the fact that I am a quick learner and can adapt with ease. Not afraid to take on any challenge

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## SKILLS

- HTML and XML
- Javascript
- MS Access
- Visual Basic
- JQuery
- Bash Scripting
- Java
- IOS
- Objective C
- MeteorJs
- Ruby on Rails
- MongoDB
- MySQL
- PHP
- CSS
- Android
- AWS
- Node.js

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## WORK HISTORY

01/2011 to 08/2012 Fullstack Software Engineer

### **Independent Project** – Zapopan, Jalisco

I created my first Android and IOS game called Rising Fall. I develop the IOS version using a game engine called SpriteKit written in Objective C and for the Android version I used a game engine called Libgdx written in Java. I created custom data structures just like a BST and Doubly Linked List to optimize the game performance.

This are the links to the game

Google Play

<https://play.google.com/store/apps/details?id=com.Phaze1D.RisingFallAndroidV2.android&hl=en>

Apple Store

<https://itunes.apple.com/ao/app/rising-fall/id904055570?mt=8>

11/2012 to 01/2013 Fullstack Software Engineer

### **Independent Project** – Zapopan, Jalisco

I created a game called Eschew for Android and IOS with a game engine called Cocos2d-X written in C++. A very simple game but I custom built the collision detection system for better performance and smoother UI

This is a link to the Android Version

<https://play.google.com/store/apps/details?id=com.Phaze1D.SQ&hl=en>

03/2013 to 01/2014 Lead Software Engineer

### **Devrag.io** – Santa Monica, California

Me and a couple of my collage friends created a Ruby on Rails website call Devrag that would help Software Engineers find the tools that they need. It used Github and BitBucket API to search through millions of public repos using a custom search engine that we built. We weren't able to finish the project do to a lack of funding.

03/2014 to 01/2016 Fullstack Engineer

### **Neals Yard Remedies Mexico** – Zapopan, Jalisco

Rebuilt the company's ecommerce website using the php framework call Laravel and I used a simple bash script to sync the website's inventory with the physical inventory. I also created a

simple custom POS system using JavaFX and I created custom reports with Visual Basic and Microsoft Access. Also built a small catalog IOS app with information about all their products and prices.

03/2016 to Current Fullstack Engineer

**Granja Granada** – Zapopan, Jalisco

Hired to build a web app using MeteorJS and Angular2 that helps a median/large size farm to help organize their inventory, expenses, sells, and resources. The complete prototype can be found at <https://conceptapp.devrag.io/> (Using an old url to route the site)

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## EDUCATION

2011

Associate of Science: Computer Science

**Santa Monica College** -

Data structures coursework

Trained in Algorithms

Advanced Computer Science courses

Javascript coursework

2012

Mathematics for Computer Science Course : Math

**MIT OpenCourseWare** -

Advance Math used in Computer Science

2012

Online Course: Data Structures

**Coursera** -

Data structures coursework

2014

Online Course: Browser Rendering Optimization

**Udacity** -

Web development Optimization

Nano Degree: Full Stack Web Developer Nanodegree

**Udacity** -

- Quick course on web development