ROBERT CONCEPCION III

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EXPERIENCE

Lead UI Developer (Contract)
Nomura February 2019 - September 2019

Architected new modular Redux app structure which allowed for interchangeably picking features to include/deploy into several applications seamlessly, as well as a centralized panel application. Used this to deploy two applications into production which facilitated billions in equities trading and also eliminated tech debt from a previous application which was handed down to team.

Designed and developed a streamlined React grid library which exceeded the performance, flexibility, visuals of another enterprise library several teams were paying $1200/yr/dev for -- this library became the standard for front-end initiatives on the team.

Assisted members from two other departments with issues related to front-end development when possible.

Software Engineer (Contract)
RSG Media November 2017 - August 2018

Plan with engineering VPs + consult with team members on related project to write a new RESTfulAPI backend using NodeJS for a flagship product which searches IP rights portfolios globally and in real-time -- released under budget and on schedule.

Rapidly learn business logic, troubleshot and inferred client data scenarios for IP rules across international media corporations.

Auto-generated documentation using APIDoc for front-end devs and management to reference as spec evolved.

Wrote scripts to batch edit NoSQL database entries and helped out troubleshooting issues with dev ops where possible.

Front End Software Developer
YouVisit April 2017 - October 2017

Pro-actively led an optimization/refactoring effort for a React/Redux based VR client tour app.

Example solutions included: dynamic and markedly improve rendering in a VR/AR app with introduction of CSSinJS, minimizing prop drilling maintainability via ES7 destructuring, moving towards functional components, untangling modal form logic into a simple stack structure free of business logic, reducing circular imports via organized module system, taming async state issues, etc.

Implemented features and fixed long-standing blockers.

TECHNOLOGIES

Software Development
JavaScript · React · Redux · HTML5
CSS3 · Node · Webpack · Git · Bash
Java · MySQL · MongoDB · Grunt
Gulp · Puppeteer

Multimedia Editing
Adobe Photoshop · Inkscape · FL Studio
Sketchbook · Blender 3D

EDUCATION

New York Institute of Technology
M.S. Computer Science December 2013
B.S. Computer Science August 2012

EXPERIENCE (cont'd)

Senior Web Application Developer

Power Management Concepts April 2014 - March 2017

Designed the original backend and UI CMS for an app which facilitates the upkeep of critical infra. such as power systems data/facility mappings in skyscrapers. Clients included Black Rock, NY Stock Exchange, WTC One and JFK Airport.

Developed and maintained a scalable web application architecture including database, server and client side design using Node.js + Express, React, Flux (FB) and MySQL which was maintained until Q1 2019.

Designed the first iteration of the app's UI with Adobe Illustrator for mockups and assisted with design for miscellaneous projects such as an expo website and business cards.

Graduate Thesis Project

New York Institute of Technology June 2013 - December 2013

Created an open-source web 2D / 3D multimedia API which allowed devs to create interactive multimedia apps using HTML5 (FileAPI, Canvas and Web Audio) and JS. YUI3 and AMD modules were used for the JS architecture and Three.js was used to wrap the 3D abstractions.

Software Developer / Founder

Whateversoft (Sole Proprietorship) January 2011 - May 2013

Developed a cross-platform 2D game API in Java and an Android app released on Google Play and the Amazon App Store. Worked with an artist to create a real-time interactive puzzle game and a card game for the Android OS with both a client app and server-side for high scores.

Information Management Officer

US Navy / Camp Arifjan, Kuwait June 2009 - April 2010

Contributed to the development and management of a command-wide Sharepoint web portal using HTML, CSS and JavaScript, while also training officers with how to maintain their own sections.

Electronic Technician

US Navy November 2005 - May 2008