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Tevin Mantock

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Technical Skills
- HTML5, CSS3, JavaScript, jQuery, PHP, MySQL, PostgreSQL, SASS, Angular, React, Ember, Ruby, Ruby on Rails, Go, Node.js, Git, MongoDB, Firebase, Object Oriented Programming, Python, Linux, Amazon Web Services, C, C++, x86 Assembly, and Swift

Applications
UNIX Shell - A simple shell for UNIX systems
- Used the **C** programming language to create a shell that allows users to execute named programs and built-in shell programs.
- Used **POSIX** API to implement system calls for built-in programs, like cd, ls, and pwd, and spawning new processes to execute programs
- Built a lexer to parse user input to appropriately separate arguments entered by the user into tokens, like distinguishing quoted strings

Monkai - An interpreted programming language built with **Go**
- Currently a work in progress, Monkai is an expressive dynamically typed programming language
- The parser uses an Abstract Syntax Tree for parsing the Monkai syntax. The interpreter is built in the **Go** programming language
- Built a lexer to traverse source code and determine the types, like variables, integers, and functions, and create tokens for use in the parser

Tech Support Chat - A simple chat application powered by **Go** and **React**
- Utilized **Go** and **RethinkDB** to create a chat server that allows users to exchange messages with each other
- Utilized **Go** channels to allow users to send messages, join chat rooms, see users who have joined a chat room, and exit a chat room
- Utilized **React** and core **JavaScript** websockets to allow user clients to receive messages instantly without the needing to refresh the page

Todo - An application for managing tasks on iOS devices
- Utilized **Swift,** the **UIKit** API, and **Model View Controller** pattern for building the front-end views of the application
- Used **Realm** and **Realm Swift** for storing and managing data locally on the iOS device and used **Chameleon Framework** for colors
- Used **Eureka** to create forms for creating a new "Category" and "Item" along with a custom **UIPresentationController** for modal forms.

Calculator - A fully functional calculator with a flat modern design, inspired by Google's Material Design philosophy
- Utilized **JavaScript** and **Angular** to add functionality to the calculator, which includes basic, comprehensive, and advanced functionality
- **JavaScript** and **AngularJS** were also used to implement a currency and metric converter built into the calculator

Experience
Apple Inc. | *Software Engineer Intern* | Cupertino, CA   2017 - Present
- Utilized Ember.js for creating single page applications on the browser. Implemented new features and bolstered tests for better reliability
- Utilized Ruby on Rails along with PostgreSQL as the database to build new features and tests for existing APIs.
- Created private npm packages to modularize shared aspects of various applications to create a streamline process for feature updates and creating new applications
- Utilized Git and Github for code version control among teammates, code reviews, and testing application builds before deployment

JNR Incorporated | *Junior Software Engineer* | Irvine, CA   2016 - 2017
- Architected, designed, and implemented new applications and features in a modular fashion, allowing them to be plugged into other applications, reused, or have their functionality scale for new business requirements and clients
- Contributed to the creation of a web framework that allowed clients to create "customized" web applications, while also allowing new features to be instantly integrated into all applications regardless of their creation date using Drupal, custom Drupal modules, and PHP
- Created an ecommerce solution for the sale of prepaid cards to clients using Drupal, PHP, MySQL, Stripe API, and custom APIs that I built for handling business logic and allowing clients to make purchases using Automated Clearing House
- Created online tools for organizations to coordinate travel and hosting services for users wishing to participate in their conventions/events
- Utilized Git and Gitlab for code version control amongst peers and distribution of approved and tested features to production servers
- Created a React and Redux client application and decoupled Drupal server for an external electronic gift card and electronic prepaid card website for use by the general public, current clients, and potential clients
- Architected and implemented a library and system to create prepaid cards, recharge prepaid cards, update user information, and handle errors and exceptions that may occur during the process of fulfilling physical and virtual prepaid cards through a payment processor. Integrated the new payment processor system with legacy systems for seamless use and transition for legacy internal processes

Education
Oregon State University | Bachelor of Science, Computer Science   Expected 2019
University of California, Irvine | Bachelor of the Arts, Economics - Dean's Honor List   2016

About Me
The Baritone Saxophone is my favorite instrument. My favorite music genres are Jazz, Classical, Deep House, and Indie. I absolutely love House of Cards and Stranger Things. I have driven a 40 feet long $2.5 million dollar vehicle.