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Donald J Tran

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Technical Skills

Strong: Javascript, ECMAScript6, JQuery, PHP, MariaDB/MySQL, Bootstrap, Apache, Flexbox, HTML, CSS
Experienced: React.js, Redux, Web APIs/JSON, OOP and MVC paradigms, Node.js, Linux, Firebase
Tools: Chrome Dev Tools, Postman, Git, Github, PHPStorm, Team Foundation Server, Amazon Web Services

Applications Developed

School2Career

An application created by four developers that helps students search for schools to find their career path.
- Set up a **Linux** web server on **Amazon Web Services EC2** with three deployment environments (Dev, Stage, Prod) using **Apache**.
- Imported CSV data dumps of 7703 colleges from the US Department of Education API into the database using custom **PHP scripts**.
- Built a **RESTful API** in PHP and Apache to send prepared statements and dynamic queries to the **MariaDB** database.
- Resolved all bugs as the team's only **full-stack** developer able to troubleshoot issues in **React**, **Redux**, PHP, and Apache.

Student Grade Table

A **Content Management System** that allows a user to record, track, and update data on students, courses, and grades.
- Utilized **Bootstrap** to design a responsive table *without CSS*, **JQuery** to update the DOM, **MySQL** database to store all the data, and **PHP** to create an **API** handling all CRUD operations. Debugged network requests using **Postman** and **Chrome Dev Tools**.

Grab a Beer

An application where users can easily find a beer from a nearby location. Created by a team of four developers in 36 hours.
- Integrated responses from Google Maps **APIs** (Geocoder, Geolocation, Places), Yelp **API**, and BreweryDB **API** via **AJAX** calls.

Tic-Tac-Wars

A Star Wars tic-tac-toe game with online multiplayer, created by a team of three developers in 36 hours.
- Served as Lead Developer to: implement online multiplayer via **Firebase**, create the game logic with dynamic board sizes and win conditions in **JavaScript**, validate DOM events with **JQuery**, and maintain source control management using **GitHub**.

Ping

An Amazon Alexa Skill that enables users to send a network request to a domain via voice inputs. Alexa dynamically replies with its status.
- Built in 5 hours using **Amazon Alexa Skills Kit**, **Node.js**, and **Amazon Web Services Lambda** in a team of four developers.

Professional Experience

Wastewater Treatment Plant Operator / Plant Attendant – Los Angeles County Sanitation Districts   2015 - 2016
- **Troubleshooted**, regulated, and performed preventative maintenance on electric motors, air compressors, centrifugal and positive displacement pumps, chlorinators and sulfonators, skimmings collection systems, and related equipment.
- Achieved my **Grade II** state certification in 11 months, a process that normally takes over 2 years.
- Maintained meticulously detailed and timestamped logs of all daily events to uphold state compliance.

Software Quality Assurance Analyst, Corporate IT – First American Financial Corporation   2012 - 2014
- Became the primary onshore QA for the iOS and Android **Native Mobile apps** of www.myfirstam.com.
- Cross-trained as a **Business Systems Analyst** and communicated with clients to gather business **requirements** for developers, exercising **Agile** software delivery methodology to maintain the project backlog for our **sprints**.
- Excelled at **Black-box** and **exploratory** testing, writing and executing **fully-automated** and semi-automated test cases.

Volunteer Work

Assistant Manager of Operations, Conventions – Society for the Promotion of Japanese Animation   2011 - Present
- Commit up to 200 hours a year towards running conventions, including: **interviewing**, **hiring**, and **training** personnel.
- **Lead 300** subordinates in training sessions and drills to handle 60,000 people a day at the Los Angeles Convention Center.
- Resolve conflicts in **high pressure** situations in **collaboration** with: LAPD Bomb Squad, LAPD BCU, and LAFD Fire Marshal.

Education

LearningFuze – Accelerated Software Development Program   2016 - 2017
California State University, Long Beach – B.S. Biology, Specialization in Education   2012
MITx, Harvardx, BerkeleyX, Udemy, Codecademy – Online computer science and software courses   2012 - Present

Personal

- Foodie   Traveled 1400 kilometers across Japan to collect all the limited edition, specialty flavors of Kit Kats.
- Avid Fan   Anaheim Ducks Ticket Holder who once memorized the names and positions of all 700 NHL players.
- Competitor   Pro-am gamer who almost represented North America. Eliminated by the eventual world champions.