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## SUMMARY

- 10+ years Full Stack Web Development
- 6+ years Automation/CI/CD
- 8+ years working with Linux systems
- 3+ years working with AWS
- Skillful in learning and understand new concepts to provide quick and efficient results

## SKILLS

Languages	Javascript (front end and node), C#, Python, Java, C++, PHP, Bash
Frameworks	Node.js, Backbone, ASP.Net, Selenium
Web Technologies	React, Redux, Nextjs, GraphQL, Express, Semantic UI, Bootstrap, Mongoose, Socket.io, CSS, HTML5, Saga, Mocha, Jest, Enzyme, React Testing Library, jQuery, Underscore.js
Server	Apache, Nginx, AWS/EC2, Linux
Databases	MongoDB, MySQL
Tools	AWS, Git, Jira, Jenkins, RabbitMQ, Docker, Visual Studios Online, Git/GitHub, Putty
IDE	Visual Studios, Atom, Xamarin Studios, Android Studios, Unity,

## WORK EXPERIENCE

### Personal Projects

April 2023-Present

- ◆ D&D character creation
  - Full stack project
  - Socketio to connect with queues
  - Queue interacting with ChatGPT
- ◆ Various Learning/projects
  - Keeping up to date on current tech and tools

#### Keywords

React, Redux, SSR, Server Side Rendering, ChatGPT, API, RESTful, NodeJs, JavaScript, Docker, Rabbitmq, MongoDB, Redis, socket.io

### Paypal

2020-April 2023

#### Senior Software Engineer/Lead

- ◆ Initially contracted and hired 3 months in to my 6 month contract.
- ◆ Front End development
  - Lead internal tool development
    - Lead project
    - Lead/mentored local and overseas team
  - Rewrote code to optimize and set up better internal structure.
  - Added automation to comply with Paypal internal rules >80% coverage
  - Added unit testing to comply with Paypal internal rules >80% coverage
- ◆ Back End Development
  - Helped on various projects both related and unrelated to the front end project.

#### Keywords

React, Redux, AWS, CI/CD, API, RESTful, NodeJs, Mocha, Nemo, JavaScript, Docker, Java,

Brillio

2016-2020

Senior Software Engineer/Tech Lead

- ◆ Continuous Integration/deployment
  - Converted from manual deployment to Docker
  - Used CircleCi and Jenkins to run unit tests and set up deployment across interconnected repos.
  - Implemented and integrated front end and API automation
- ◆ AWS server migration
  - Migrated from server center to AWS
  - Used cloud formation (CFN) to group resources to deploy to AWS
  - Used weighted routing through AWS to transfer traffic
  - Implemented Rabbitmq and MongoDB clusters with safe failback on AWS EC2
- ◆ API migration
  - Migrated c# api to Nodejs RESTful API
  - Created a RESTful API to route traffic as new endpoints migrated
- ◆ Various Tools
  - Changed the way the team developed and tested code through leveraging docker-compose, scripts, and AWS.
  - Used scripts run locally as well as Jenkins jobs to make every aspect of development easier.
  - Used Google Ad Manager to write test and deploy ads
- ◆ Front End development
  - Transitioned parts of site from html server side rendering to React
  - Improved unit testing from <50% to >80%.
  - Built and Implemented ads and the ability to alter and preview them
  - Part of the team that built and maintained customer portal.

Keywords

React, Redux, AWS, CI/CD, API, RESTful, NodeJs, Mocha, React Testing Library, Jenkins, Google Ad Manager, JavaScript, Docker, Rabbitmq, MongoDB,

Sam Medalen Apps

2015-2016

Sole Proprietor, Software Engineer

- ◆ Javascript Game portal
  - MEAN Full stack website using AWS/EC2 server – Linux, Apache, MongoDB, Javascript
    - RESTful API using Nodejs and Express
    - Socket connection for real time game updates using socketio
    - Parallel processing of data using RabbitMQ and npm's Q
- ◆ PE Class Organizer – on app store
  - IOS App for helping teachers organize their students
    - C# in Xamarain Studios through Visual Studios
    - Dropbox integration

Keywords

Javascript, NodeJs, RESTful, AWS, C#, IOS, socket.io, Rabbitmq

KIXEYE

SF 2011-13, Victoria 2013-14

Software Engineer

- Worked closely with devops to set up and maintain servers while website was evolving
- Full stack web development using a LAMP stack
- Involved in transforming the site from LAMP to closer to a MEAN stack:
  - Built RESTful api using Nodejs and Express
  - Transitioned from MySQL to using MongoDB with Mongoose through npm
  - Transitioned from pure php front end to using multiple technologies to create a php/javascript front

- end. Mustache, Handlebars, underscorejs, Backbone, JQuery
- Developed key systems:
  - Framework for a task scheduler to run data processing. Later adopted by other teams throughout the company.
  - System for tracking marketing traffic to the site.
  - Integrated internal and Google analytics.
  - Back end processing and front end displaying of activity notifications.
- Sustained code through development and bug fixing.
- Developed “cheat detection” algorithm which was later applied throughout the company.
- Developed automated test framework using phpunit selenium and sauce labs.

#### Keywords

PHP, javascript, html, RESTful, API, Automation, JQuery, MongoDB, Backbone

### PERSONAL EXPERIENCE

UCSC Senior project - “Schrodinger's cat”

- ◆ Multi-platform puzzle platformer
- ◆ C++ in Visual Studios
- ◆ Lead Level Designer- proficient text parsing level editor-level designer
- ◆ Game features Indirect control over AI driven character.

Global Game Jam - ”Reproduction”

- ◆ C# in Visual Studios
- ◆ Competitive Herd Simulator with changeable genetic algorithms.

### EDUCATION

UCSC

- B.S in Computer Science:Computer Game Design June, 2011

### BEGINNINGS

Before I started learning programming in school I was teaching myself on a TI-83 graphing calculator. At the time I didn't know I was actually programming, it took me a while to realize what I was doing for fun was something I could turn in to a profession. Without scholastic understanding of core concepts, and with limited environment resources I was able to explore and discover unique ways of doing things, a process that helps me find solutions to this day.

- Maze Maker – automatic pathfinding algorithms to ensure the maze was solvable. Taught myself recursion and the invented stacks using a string.
- With limited access to variables, space, and functions I was able to create various projects such as; an RPG, Hangman, Mazes.

### KEYWORDS

Full Stack Web Development. NERD, MEAN, LAMP, React, Hapi, Express, Mongoose, Software, Automation, RESTful API, Multithreading, Asynchronous programming, AWS, EC2, CFN, NodeJs