Kelsy Andrea Vaughn

Full Stack Software Engineer

github.com/kelsyvghn• 858-925-4330•linkedin.com/in/kelsyavaughn •kelsyvaughn.com•SECRET clearance.

— Personal Projects —

kelsyvaughn.com | *A personal website (uses: React, anime.js, Node/Express, MongoDB, GoogleVM*)

- Built a professional website to share updates of personal projects and accomplishment, as well as share articles relevant to emerging

Track Hiit | *A full-stack workout tracking mobile application (uses: React-Native, Express, MongoDB*)

- Built a user friendly workout tracking application with React-Native that allows users to input routines and use those to track workouts, weights, heart rate, and length of workout in an intuitive manner so that every time a workout routine is used, the user can track changes in weights used, time, and heart rate over an extended period of time.

Sidebar Music App | *Built a full-stack photo services and review application (ReactJS, Node/Express, MongoDB, AWS/S3, Docker*)

- Built a multi-service full stack application with React, Javascript, CSS Modules, Express, and a MongoDB that would display reviews, photos, menus, prices, and local information for restaurants.
- Developed a RESTful API using AGILE practices to deploy a micro service utilizing AWS S3 and EC2, that would incorporate multiple separate projects into a single one page view application.

Photo and Review App | Built an optimized database for web services (*Postgres, CassandraDB, Node/Express, AWS/EC2, Docke*r, *K6, New Relic,* loader.io*, NGINX*)

- Built the backend of a music share, comment, and play application that promoted similar playlists, allowed users to generate new playlists with current songs, upload songs,, and display related information from within a Postgres database built out to support high traffic , over 1000 requests per second and tested using New Relic, loader.io, and K6.
- Optimized the database to support 2000+ user requests per second once deployed on an EC2 t2.micro instance, using clustering, partitioning, indexing, and horizontally scaling the servers with NGINX.

— Open Source Contributions —

Operation Code	React-Native	Free Code Camp

— Technical Frameworks—

Javascript	ReactJS	React Native	HTML	Node/Express	Linux	CSS
Ajax/Jquery	mySQL	PostgreSQL	CassandraDB	MongDB	Git	VXWorks
Jest/Enzyme	Mocha/Chai	Docker	AWS	Vim/NPM	Babel	Webpack

— Educational Background—

Hack Reactor Advanced Software Engineering Immersive, San Francisco, CA May 2020

University of California Bachelor of Arts, Anthropology, Davis, CA December 2011

— Professional Experience —

United States Navy – San Diego, California **Electronics Technician, January 2014 to January 2020**

- Installed, programmed, maintained, and repaired electronic communications and radar systems.
- Repaired and reinstalled Linux software and reprogrammed system on the MLIU of CDLMS for RIMPAC deployment and operation.
- Restored ship to full operational capacity by diagnosing and mending IP service issues due to an installation error of an Navy Multiband Terminal antenna which provided 25-50% of the ship's IP services.
- Programmed Harris radios and performed maintenance on PRC-152, PRC-150, PRC-117G, and BGAN (broadband global area network).

Unitrans-ASUCD – Davis, California **Mechanic, August 2009 to December 2011**

- Implemented new GPS tracking, external and internal communications systems on a fleet replacement of 24 buses within three months. Completed installation for a variety of electrical and communications systems.