

Kelsy Andrea Vaughn

Software Engineer | Creative | Artist

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— Professional Experience —

Nuance Communications | Microsoft - Remote Sales Engineer/Software Engineer, November 2021 to May 2023

- Build out and maintain virtual assistance chatbots, software, and demos for Nuance Sales Engineers, Marketing team, and potential clients.
- Created full scoped demo projects to demonstrate the Nuance Mix platform, NDEP software, and Dragon software capabilities.
- Created Wordpress platform websites to demonstrate chatbot capabilities, provide Sales Engineer guidance, demo instructions, and capabilities.
- Created demo videos, vignettes, guides, and marketing demonstration videos for the Demo Team projects to support and showcase Nuance products for Sales Engineers, Digital Marketing, and public consumption.
- Sustained cloud computing infrastructure including webpages, APIs, databases, and resources, utilizing AWS and Microsoft Azure.

Forward Slope Inc. - San Diego, CA

Software Engineer, June 2020 to September 2021

- Preformed UI development with modern web technologies such as Node.js, Angular, React, AND C++.
- Develop programs to support AR/VR eyewear such as an image analysis application to recognize edges of lens wafers and cut for in house contact lens, utilizing Python and the OpenCV library.
- Build machine learning software to support the eyewear system which can recognize streets, signs, and objects for those who would utilize the eyewear to mitigate their low-vision.
- Generate content for marketing and viewer experience, including recording, editing, augmenting, and creating overlays for digital content to mimic user experience for demonstrations, this includes building out eyewear, developing content and applications for the eyewear, and setting up demonstrations for potential investors.
- Maintained system patches using SCAP and STIGViewer, on Firefox, Linux Red Hat and Tomcat.
- Regularly utilized VMware to operate and update software in controlled environment.
- Sustained cloud computing infrastructure utilizing AWS and Microsoft Azure.
- CompTIA Security+ Certification

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.
- 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 25-75% of the ship's IP services.
- Programmed Harris radios and performed maintenance on PRC-152, PRC-150, PRC-117G, and BGAN.

— Open Source Contributions —

Operation Code

React-Native

Free Code Camp

— Technical Toolbox —

Languages & Frameworks: Javascript, React, Node, Python, OpenCV, C++, C#, CSS, HTML, JQuery

Platforms & Services: Docker, Azure, Microsoft Digital Contact Center, Open.ai, Confluence, Jira, AWS, VXWorks, GitLab, GitHub VMWare

Databases: PostgreSOL, CassandraD, mvSOL, MongoDB

Programs & IDEs: Unity, Unreal Engine, DaVinci Resolve, DemoCreator, Adobe Creative Cloud (including Photoshop, Lightroom, Illustrator, InDesign, XD), Final Cut Pro, PyCharm, Visual Studio Code

— Educational Background —

Southern New Hampshire University	Master of Arts, English, Manchester, NH	June 2021
Hack Reactor	Advanced Software Engineering Immersive, San Francisco, CA	May 2020
University of California	Bachelor of Arts, Anthropology, Davis, CA	Dec 2011

— Personal Projects —

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.

Sidebar Music App | *Built a full-stack photo services and review application (React, Node, 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, Docker, 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.

Personal Website | *A fullstack website (uses: React, Javascript, Node, Docker, CSS, and Cloudways)*

- Full stack website to host personal portfolios for art, software development, photography, videography, and writing.
- Incorporates a multitude of skills and portfolio items from personal and professional projects.