**PHILIP HUYNH**

Software Engineer | Somerset, MA (Open to Remote) | (774) 644-6410

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TECHNICAL SKILLS

**Languages -** JavaScript, Typescript, Python 3, Ruby, Bash

**Front End -** HTML, CSS, React, Redux, DOM manipulation, jquery, Bootstrap, MaterialUI

**Back End** - Node.js, Express, Django, FastAPI, Flask, PostgreSQL, MongoDB, MySQL, RESTful API, Microservices

**Testing/Deployment** - Jest, Mocha, Chai, pytest, CI/CD, NGINX, **AWS**: Amplify, EC2, S3, SAM, Cloudformation, Route53

**Developer Tools** - Vim, Git, npm, pip, RubyGems, Vite, Webpack, Babel, Docker

PROFESSIONAL EXPERIENCE

**Software Engineering Immersive Resident, Galvanize Inc, Remote** 5/2022 -Current

* Worked with an Agile team developing, maintaining, and updating the core Galvanize systems including the Student Information Systems and Interactive Course Software used daily by 1500+ students and staff.
* Developed ELT process in a Django back-end to distribute student data across Postgres tables in order to streamline the work of the administrative teams and eliminate hours spent doing data entry.
* Converted Django views to RESTful API endpoints and updated server rendered templates to React components in order to improve the UI/UX for specific Student Information System features.
* Implemented dashboards for instructors and cohort leads to allow them to toggle features, manage student improvement plans, and document student interactions.
* Mentored 300+ students and provided supplemental instruction in Python, Javascript, HTML, CSS, React, Django, FastAPI, PostgreSQL, Microservice architecture, Docker, Auth, CI/CD, and core computer science topics.

SOFTWARE APPLICATION DEVELOPMENT

**Software Engineer |** Quickstarter: Django microservice structure generation automation **|** [**View on gitlab**](https://gitlab.com/PhilHuynh/quickstarter.git) 2022

* Used Bash and Python to script the creation of large applications in Django enabling the creation of up to 50+ microservices with complex poller, queue, and pub/sub connections in under 5 minutes.
* Created a Bash/Zsh CLI to accommodate manual input or the use of custom configurations in json or yml.
* Implemented data sanitizing and error handling that includes detailed messages and prompts that allow users to correct errors when they occur to achieve stable consistent creation of application structures.

**Full Stack Engineer |** Strings Theory: Tools for music education and analysis **|** [**View Live App**](http://stringstheory.net) **|** [**View in github**](https://github.com/phil-huynh/mvp) 2022

* Developed a RESTful API with Node and Express js to give the application access to tonal analysis data for 697 scales and 850 chords created by custom tonal mapping algorithms.
* Designed and built a highly interactive UI with React and CSS that allows users to view musical structures on 9 instruments in 15 tunings, switch between left and right handed views, and analyze the information with 7 tools .
* Added a Jest test suite and deployed application to an Amazon Web Services EC2.

**Frontend Engineer |** Osiris: Connects donors to local charities through item listings **|** [**View in github**](https://github.com/Team-Osiris-HR/BlueOcean.git) 2021

* Designed frontend routes and page layouts, and integrated all frontend components with our REST API.
* Built donor and organization feeds, post filter and search, and donation features with responsive React and CSS.
* Integrated our custom auth library with the frontend and customized page views based on user roles.

**Full Stack Engineer |** Ari Ferdinand: e-commerce application for clothing **|** [**Front-end github**](https://github.com/Ari-Design/Modern-Shopping-Site.git) **|** [**Back-end github**](https://github.com/Team-Ferdinand/SDC-reviews.git) 2021

* Designed Postgres tables for product reviews, performed ELT for 31 million lines of csv product data, and implemented a RESTful API for the product review service.
* Improved lighthouse score by 40% with code splitting, lazy loading, and compression, performance tuned app to decrease local query time from 2200 ms to 7 ms, and scaled EC2 services with NGINX to accommodate 5000 rps at 385ms across 1 million products
* Integrated REST API with the frontend features, developed reusable React components for use across the frontend, and implemented all parts of the questions and answers feature.

EDUCATION

**Advanced Software Engineering Immersive Program, Hack Reactor**

* 12-week advanced software engineering immersive program with 1000+ hours of coding. Full-Stack

development with JavaScript, React, Express, PostgreSQL, MongoDB, and MySQL in an AGILE environment*.*