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**: EC2, S3, SAM, Cloudformation,

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**   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** | **View in github**   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**   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** | **Back-end github**   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.