

Colin Edwards

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SUMMARY

Recent graduate of Hack Reactor's 19-week advanced software engineering immersive bootcamp. Dedicated to problem solving and developing strong full-stack applications, while also collaborating with team members. During my studies, I have gained hands-on experience using front and back end frameworks.

SKILLS

Programming: Python 3, JavaScript(ES6+), HTML 5, CSS, SQL

System Design: Monoliths, Microservices, Domain-driven design, Message passing

Back-End: Django 4, PostgreSQL, MongoDB, Apache Kafka, RabbitMQ, FastAPI

Front-End: DOM manipulation, Websockets, React, Bootstrap

SOFTWARE APPLICATION DEVELOPMENT

Software Engineer, Hatch App | React.js | fastAPI | SQL | Python | gitlab.com/50Fifty/hatch-app 2022

Back-end construction and optimization for a pomodoro timer application for personalized use and task organization with statistical tracking

- Initiated a SQL database using Beekeeper Studio to create tables and generate mock data
- Utilized FastAPI framework to establish endpoints and successfully communicate with the database
- Created and deployed a timer functionality using React, JavaScript and HTML to display running countdown timer and also to track progress and completion of individual users' tasks
- Completed unit tests using fastAPI's TestClient and applied them to the continuous integration process to verify endpoint functionality
- Collaborated with teammates in development branches and handled merge conflicts to have a working pipeline

Software Engineer, CarCar | React.js | Django | HTML5 | CSS | gitlab.com/Colin.Edwards/project-beta 2022

Front-end development and implementation for a Car dealership management application by utilizing three different microservices and polling for data

- Engineered sales department API using the Django framework, specifically for developing class based models
- Created images and run containers on various ports for each microservice using Docker Engine
- Built out front-end React components that allows a user to create and look-up inputted sales history and records for each user
- Executed a working application for a car dealership management system by utilizing three different microservices and polling for data
- Designed React front-end features for the application to communicate with the back-end microservices to display necessary data

Software Engineer, Task Management App | Python | HTML5 | gitlab.com/Colin.Edwards/project-alpha-apr 2022

Created a task manager application allowing users to login, create and track the status of tasks and projects using the Django framework.

- Led the full-stack construction and implementation of a complete static website in a complete virtual environment
- Successfully configured front-end features using HTML and designed the back-end design using Python
- Created user account creation and login functionality through combination of HTML and Python

PROFESSIONAL EXPERIENCE

Quality Assurance Engineer, RKL Technologies August 2020 - May 2022

- Oversaw quality department to ensure the company's KPIs were met by following lean manufacturing principles
- Executed complex instructions, interpretation of blueprint / schematics ensuring machines are working at full capacity, are stocked with needed material, well-maintained and perform periodic checks on output

Quality Assurance Engineer, Linda Tool June 2019 - June 2020

- Communicated with vendors about process certifications and corrections of precision aerospace machined and processed components
- Managed 100% inspection equipment inventory and daily calibration, and followed the supplier's quality assurance requirements

EDUCATION

Hack Reactor, Certificate in Advanced Software Engineering 2022

College of the Canyons, Certificate in CNC Machinist Training 2013