

HOLLY QUACH

Software Engineer

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TECHNICAL SKILLS

Languages | Python 3 | SQL | JavaScript ES6+ | HTML5

Technologies | Git | Docker | FastAPI | Django | PostgreSQL | ReactJS

Methodologies | Agile | Microservices | REST API | Domain-driven design | Lean

APPLICATION DEVELOPMENT EXPERIENCE

BrewHop | brewhoppers/brew-hop 2022

Web application to search breweries by city

- Collaborated with small team from concept through MVP development and championed Agile methodologies to ensure alignment and maximize efficiency
- Led and programmed microservice to handle brewery data using FastAPI to create API endpoints
- Created custom React hook with context provider to centralize and allow reuse of logic for user favorites data between UX components
- Deployed backend microservices with cloud provider and configured CI/CD pipeline to launch initial site

Car Car | hollyquach/car-car 2022

Web application to manage inventory of cars and track sales history and service appointments

- Created service model for PostgreSQL database to support car service appointments feature
- Structured and executed routing with React router to streamline UX within microservices
- Utilized JSX to develop forms and dynamically rendering lists for the application UI

Conference Go | hollyquach/conference-go 2022

Web application to manage conferences, locations, presentations, and attendees

- Refactored Django monolithic code base to microservices based architecture to support scalability
- Built ACL to incorporate weather data and images for conference locations with third-party APIs
- Implemented messaging queue using RabbitMQ to automate email notifications of approvals and rejections for conference presentation requests

PROFESSIONAL EXPERIENCE

Senior Project Manager | Thermo Fisher Scientific - Bothell, WA 2021 - 2022

- Initiated launch of value engineering program by building a dedicated support team and defining standard process for projects to pipeline \$1M savings over the first year
- Drove final execution of hardware and software generational releases as operations lead for instrumentation platform

Project Manager III | Thermo Fisher Scientific - Bothell, WA 2018 - 2021

- Managed cross-functional teams to implement design improvements and cost out initiatives on a core product resulting in annual cost savings of \$866k
- Redeveloped material planning reports in Crystal Reports from SQL database to reduce manual, repetitive processing and automate analysis

Engineering Project Manager | Vaupell - Seattle, WA 2015 - 2018

- Reduced customer returns and rejects by 80% through implementation of Lean principles and manufacturing process changes
- Performed rigorous testing for product builds, progress tracking, and ensured alignment of project completion with forecasted schedule and budget

EDUCATION

Software Engineering with JavaScript and Python Certificate | Hack Reactor 2022

Certificate in Project Management | University of Washington 2016

B.S. Plastics Engineering Technology | Western Washington University 2014