

Nikolas Garza | Software Engineer

209-499-1193 | Nikolas.garza5@gmail.com | San Francisco, CA

[Portfolio](#) | [Github](#) | [LinkedIn](#)

SKILLS

Javascript, Typescript, Playwright, K6, Python, React, Redux, PostgreSQL, SQL, Flask, Node.js, HTML, CSS, Bazel, Buildkite, Docker, Bash, Figma, Git, Kubernetes, AWS, Quay

WORK EXPERIENCE

Quality Automation Engineer, Applied Intuition, Mountain View CA, 10/2022 – Current

- Led QA efforts for Applied's Platform/API teams utilizing cross team collaboration to drive quality across 9 different products.
- Grew manual and automation test coverage by 300% with 5 direct reports.
- Developed test plans and implemented testing infrastructure for 20 developers across the Platform and API teams.
- Created library for playback manipulation/testing to assist team members automate tests within the Playwright testing framework.
- Wrote comprehensive automated test coverage for in product file management, YAML text editing, scenario simulation, playback, visual world rendering (Three.js), and scene editing (object manipulation).
- Orchestrated a large-scale refactor of End to End testing suite and executed by building a Playwright selector library to improve scalability and consolidate universal code across 100 test files.
- Contributed to the CI/CD pipeline deployment, reducing the runtime of Buildkite Playwright jobs by 50%.
- Created K6 integration/load tests for stress/functional testing of customer workflows by communicating with critical backend services through GRPC requests/responses.
- Actively triaged and stabilized overall master branch health by conducting git bisections and subsequently reverting bug inducing merges.

EMT, Royal Ambulance Inc and Escalon Community Ambulance, San Francisco CA, 06/2020 – 10/2022

- Leveraged comprehensive knowledge of emergency medicine to assess, treat, stabilize and transport seriously ill or injured patients to area hospitals and trauma centers with on scene times less than 15 minutes.
- Maintained composure and level headedness to thrive in a high stress environment.
- Coached and trained 10 junior EMTs to facilitate continuous improvement and effective communication during interfacility transfers and emergency situations.

Warehouse Manager, Peachy Canyon Winery, Paso Robles, CA 04/2019 – 03/2020

- Single-handedly managed and maintained 35,000+ unit warehouse including inventory management, shipping and receiving, and completion of work orders via vintrace management software.
- Processed 400 tons of biodynamically farmed grapes. Supervised/facilitated active fermentations and bottling processes.
- Supervised 3 interns to ensure all work orders were accurately completed in a timely manner.

PROJECTS

FullyTappd (Javascript, React, Redux, Python, Flask, Postgres)

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- Utilized Python/Flask framework to create an API to handle HTTP communication to a Postgres database.
- User interface empowered with React JS and Redux to demonstrate a single page-like feel across the application and reduce loading times.
- Implemented AWS S3 for image uploads to allow for scaling of the application.

FindTable (Javascript, React, Redux, Python, Flask, Postgres)

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- Empowered the application with Google Maps API to pinpoint location of available restaurant locations near the user.
- Utilized Flask backend with WTForms to ensure proper form validations across all user forms.
- Collaborated with 3 other team members using proper Git flow to each provide meaningful contributions to the application.

EDUCATION

- **Full Stack Software Development Bootcamp**, App Academy, San Francisco CA, 05/2022
 - **B.S. Viticulture and Enology**, University of California Davis, CA, 06/2017
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