

# Derek Snediker

## Software Engineer

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## Technical Skills

Languages: Python 3, JavaScript, SQL, HTML5, CSS

System Design: Monoliths, Microservices

Methodologies: Agile, Domain-driven design, CI/CD

Back-end: Django 4, FastAPI, PostgreSQL, MongoDB, RestAPI

Front-end: React, Tailwind, Bootstrap

Tools: Git, Github, Docker, PyTest, Figma

## Software Engineering Experience

**Full Stack Developer | PicklePlay | [Github Repo](#) | Javascript, Python, React, FastAPI, PostgreSQL, Docker** 09/2023-11/2023

- Addressed high error rates from malformed data by using **FastAPI** with **Pydantic's** data validation, minimizing errors by 35% and accelerating **API** development by 23%, improving application reliability and performance.
- Confronted login-related issues and security concerns by implementing **JSON Web Tokens (JWT)** for end-to-end authentication, reducing login issues by 40% and improving user retention by 12%, ensuring seamless and secure authentication across frontend and backend components.
- Led the development of frontend components using **React** and **Tailwind CSS** for the tournaments section of a pickleball tournament management application.
- Managed post-deployment bugs by implementing 13 comprehensive **unit tests** with **PyTest** and **Python**, achieving an 15% reduction in bugs and ensuring endpoint functionality accuracy.

**Full Stack Developer | Wheels Warehouse | [Github Repo](#) | Javascript, Python, React, Django, Bootstrap, Docker** 08/2023

- Resolved inefficient data flow between frontend and backend by designing **REST APIs**, resulting in streamlined communication and enhanced application performance.
- Identified delays in data synchronization between car service and sales microservices, optimized sync with a **polling** mechanism, reducing data latency by 40% and achieving near real-time inventory updates.
- Faced inefficiency in retrieving VIN numbers from car inventory by developing an intuitive search bar feature using **React**, reducing search time and boosting user productivity and efficiency.

**Full Stack Developer | Conference-GO | [Github Repo](#) | Javascript, Python, Django, CSS** 08/2023

- Solved scalability and deployment delays by containerizing the attendees **Django** app with **Docker**, boosting scalability by 50% and reducing deployment time by 30%, enabling faster updates and modifications.
- Integrated **Open Weather API** to dynamically fetch real-time weather data for conference location, enhancing user experience with live weather updates.
- Identified and fixed data compatibility issues from a third-party **API** (Open Weather) by implementing an **anti-corruption layer** and data mapping techniques, enabling seamless integration into the web application.

## Professional Experience

**San Francisco Opera | Carpenter** 08/2022-Present

- Optimized cue sheets for show crews reducing margin for human error during performances.
- Decreased turnaround times between performances by 50% by creating a storage system for in-house sets.
- Introduced a tool tracking and organization system to reduce overhead and increase crew productivity.

**Encore | AV Technician** 04/2019-06/2023

- Interfaced with customers and management to increase user satisfaction leading to customer retention.
- Maintained and repaired equipment to reduce overhead.
- Created task sheets to reduce double handling and improve worker efficiency during sets and strikes.

## Education

**Hack Reactor, Software Engineering Immersive Certificate** 2023

**Sae Expression College, BS in Audio Engineering** 2020