# York Shaw

## *Software Engineer*

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## TECHNICAL SKILLS

**Programming** | Python 3, JavaScript (ES6), SQL, CSS, HTML5
**System Design** | Monoliths, Microservices, Domain-driven design, Event sourcing
**Back-end** | Django 4, PostgreSQL, Express, FastAPI, MongoDB, Docker, RabbitMQ
**Front-end** | DOM manipulation, React, Redux Toolkit, Next.JS, Websockets

## APPLICATION DEVELOPMENT EXPERIENCE

**Software Engineer** | Hot Stocks, [Project Link]                                         December 2022
- Collaborated with a team of four engineers and designed a full-scale application using wireframes
- Implemented user authentication with JWTdown for FastAPI
- Deploys to a cloud provider and collaborates using Git and project management tools from GitLab

**Software Engineer** | Car-Car, [Project Link]                                         October 2022
- Developed an application with 3 microservices that implements REST API endpoints allowing users to maintain a car service inventory and service
- Designed the application using bounded contexts and domain driven design
- Utilized PostgreSQL to maintain the database for the three microservices

**Software Engineer** | Conference GO, [Project Link]                                         October 2022
- Ensured data integrity and horizontal scalability by refactoring a monolithic web application into a microservice-based application utilizing 3 Docker containers
- Implemented RabbitMQ pub/sub queuing between three microservices for backend data communication
- Built the front-end with React and JSX, back-end with Django, and SQLite for the database

## WORK EXPERIENCE

**Section Violinist** | East Texas Symphony, *Tyler, TX*                                         September 2016 - Present
- Awarded position by 5-person committee comprised of musicians and conductor after a 2-round audition
- Contributed as assistant principal and helped the principal stay connected with the other orchestra sections
- Operated as a liaison between a section of 10 violinists and conductor to communicate musical changes

**Section Violinist** | Abilene Philharmonic, *Abilene, TX*                                         October 2013 - Present
- Awarded position by 8-person committee comprised of musicians and conductor after a 2-round audition
- Regulated personal efforts towards concert preparation that averaged ~3 weeks from music receipt to performance with the orchestra for a live audience
- Collaborated as a member of a section

**Private Violin Teacher** | Self-Employed, *Plano, TX*                                         June 2011 - Present
- Taught violin lessons to over 40 grade-school students on a weekly basis
- Assigned appropriate curriculum to each student with long-term improvement in mind
- Adapted my teaching styles to fit the needs of each individual student

## EDUCATION

**Hack Reactor**, *Advanced Software Engineering Immersive Certificate*                                         2022
**New York University**, *M.M, Violin Performance*                                         2009-2011
**University of Texas at Austin**, *B.M, Violin Performance*                                         2005-2009