

York Shaw

Software Engineer

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TECHNICAL SKILLS

Programming | Python 3, JavaScript, SQL, CSS, HTML

System Design | Monoliths, Microservices, Domain-driven design, Message passing, Event sourcing

Back-end | Django 4, PostgreSQL, Express.JS, FastAPI, MongoDB, RabbitMQ

Front-end | DOM manipulation, ReactJS, 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