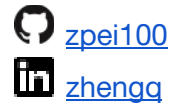


ZHENGQING PEI

zhengqing.pei@gmail.com | 718-808-2838



TECHNICAL SKILLS

Strong: JavaScript, HTML/CSS, jQuery, React/Redux, Bootstrap | Node.js, Express, MongoDB, MySQL

Experienced: CSS Grid, Angular, Apollo | Socket.IO, Redis, GraphQL

Tools: VIM, Git, Docker, Jest, Puppeteer, New Relic

SOFTWARE ENGINEERING APPLICATIONS

CozySheetz | *Full Stack Software Engineer*

[Website](#)

Clone of [Airbnb listing page](#)

- Developed an entire interactive product details page, leveraging React, jQuery, CSS, Bootstrap to create responsive UI components.
- Attained a speed score of over 90 on [PageSpeed](#) Insight, ranking in top 5% of top-performing pages, by utilizing lazy loading, dynamic imports and code splitting techniques.
- Optimized application performance by implementing server-side rendering to reach first contentful paint within 1 second, reducing time to first paint by over 70%.
- Integrated Redux on top of React to achieve global state management.

UpScale | *Full Stack Software Engineer*

Community-driven commerce platform with a microservice-based backend architecture

- Optimized server logic and technology implementations to handle 40k requests per minute with an average server response time of 147 ms per request when deployed on AWS micro-tier instances.
- Revamped legacy web app to incorporate server-side rendering and Redis caching to decrease time-to-first-paint by over 80%.
- Engineered a Node.js reverse proxy as a load balancer to support service scaling, providing over 70% increase in request handled per second.
- Facilitated migration from MySQL to MongoDB, alongside batching and reformatting of data (populating 10M entries).

Reddit-Clone | *Full Stack Software Engineer*

[Website](#)

Real time web forum platform

- Engineered a real time application with Apollo, React, Express, GraphQL and MongoDB.
- Designed a clean and simple API that supports efficient, complex, nested and exact client queries.

EDUCATION

Hack Reactor | *Advanced Software Engineering Immersive*

Dec 2018

Stony Brook University | *Graduate Courses in Pure Mathematics*

May 2014

- Related courses: Abstract Algebra, Manifold Calculus, Topology, Analysis

Stony Brook University | *Bachelor of Arts in Pure Mathematics*

May 2012

WORK EXPERIENCE

High School Math Teacher

Jun 2015 – Jul 2018

- Promoted higher education initiatives and spearheaded development of AP and college-level courses.
- Designed project based curriculum centered on problem-solving and critical thinking.