Katie Gill

Full Stack Software Engineer

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Technical Skills

FRONT END | JavaScript (ES5 and ES6), React, React Hooks, HTML5, Vanilla CSS, jQuery, Redux, Axios
BACK END | Node.js, Express, PostgreSQL, MySQL, RESTful API Development, PHP
TESTING/DEPLOYMENT | Jest, Mocha, Chai, React Testing Library, k6, loader.io, AWS: EC2/AWI
DEVELOPERS TOOLS | Vim, Git, GitHub, npm, Webpack, Babel, Agile Methodology, TDD, scrum
LIBRARIES/FRAMEWORKS | React.js, Material-UI, Font Awesome, Underscore.js, ESLint, fast-csv

Software Engineering Applications

ATELIER FRONT-END | **React, Express, Node.js, Axios, Fast-csv, AWS:EC2, CSS**   Oct 2021 - Nov 2021
Full UI & UX redesign of an eCommerce clothing site.
- Worked as a part of a 4 person team to develop a dynamically rendering ecommerce site.
- Wrote unit tests using Jest and React Testing Library to ensure customer business requirements had been met.
- Created axios requests to obtain data from API and formatted data to populate the ratings and reviews section.

ATELIER BACK-END | **Node.js, Express, PostgreSQL, Axios, AWS:EC2/AMI, k6, loader.io**   Nov 2021 - Dec 2021
A database and server for Atelier eCommerce site and migrated over data from previous database provided via sizable CSV files.
- Utilized B-Tree indexing and PostgreSQL JSON's creation and processing functions to create organized query responses, tested queries using k6 and Loader.io; with an average of a 12 ms response time when obtaining the 1,000,010 product.
- Deployed both server and database on separate instances to allow for ease of load balancing and modularization
- Implemented a master-worker load balancing schema with least outstanding requests distribution and scaled via AWS's AMIs, Load Balancers, and Target Groups; capable of handling over 1300 requests per second with 60ms latency and <1% error rate amongst the 4 deployed servers.

CULTIVATE | **React, Node.js, Passport.js, Express, PostgreSQL, Axios, Google Cloud Platform, Docker**   Dec 2021
Developed a full-stack web app bringing fitness enthusiasts and professional coaches together.
- Implemented Git Feature Branch Workflow and Agile methodology with a team of 9 developers.
- Crafted a dynamic UI and UX; deployed microservices inside Kubernetes cluster, thus allowing an initial load of 10,000 users.
- Used Passport.js with OAuth2 to provide user authentication and login via Google.

Professional Experience

RESEARCH COORDINATOR | University of Washington's Neurology Department   Jan 2020 - Nov 2020
Obtained and fostered relationships with patients involved in our clinical trials.
- Created and maintained study documents per IRB and FDA guidelines to uphold patient safety and ensure accurate trial data.
- Oversaw seven clinical trials simultaneously, including both observational and drug trials to further research on various Neuromuscular diseases.
- Developed and implemented a trial setup and maintenance process to maintain organized and thorough trial documents and notes to ensure seamless study handoff.
- Became a full-time research coordinator that oversaw and maintained studies at two different Hospitals after one month of starting a temporary position.

INSURANCE VERIFICATION SPECIALIST & MEDICAL RECEPTIONIST | Evergreen Heart and Vascular Clinics   Feb 2016 - Mar 2018
Maintained patient records and verified patient insurance
- Wrote departmental training manual for insurance verification. Aided in developing Cerner training manual for hospital-wide use
- Assisted and restored workflow in several areas by training in new skills and offering assistance when I saw opportunities.
- Became a trainer after a month of employment for patient check-in, insurance verification, and medical record maintenance in both the heart and vascular clinics.

Education

Hack Reactor | Advanced Software Engineering Immersive Program   Dec 2021
Bellevue College | Capstone project completed through University of Washington | BAS Molecular Biosciences   Jun 2019
Bellevue College | A.S Molecular Technologies   Aug 2017