Kevin Tom
Software Engineer

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TECHNICAL SKILLS
Full-stack Development, Java, Spring, Angular 2, React.js, TypeScript, PostgreSQL, Python, Agile

EXPERIENCE

Full-stack Software Engineer   April 2020 - Current
Goldman Sachs
- Developed full-stack applications digitizing alternative investment processes resulting in increased risk mitigation and workflow productivity for users.
- Designed and created a health check business readiness alerting report/API for all critical applications, increasing response time and significantly reducing reports of system failures in production by around 80%.
- Optimized and refactored existing codebases in cooperation with the quant and business teams to handle processing of large amounts of financial data to be used in reporting credit facilities leveraging billions of dollars.
- Implemented a cash flow rebalancer service used to automate active transaction updates maintaining data consistency.
- Acting member of the New Analyst & Intern Committee (NIC) organizing firmwide technical events and presentations for analysts for events such as Intern Final Presentations, Crypto Talks, Presenting to Business & Technical Audiences, etc.

Solutions Analyst   May 2019 - Aug 2019
Associate Solutions Analyst   June 2018 - May 2019
Vitech Systems Group
- Created solution design documents that implemented new income annuities functionality to an enterprise proprietary software for MetLife.
- Composed 300+ regression test cases utilizing PLSQL scripts ensuring complete coverage of accurate core functionality for the upcoming software migration.
- Integrated the client's business requirements by acting as a liaison between the client and development team strengthening product quality and communication.
- Headed the object inventory and data loading modules in preparation for Systems Integration Testing.

PROJECTS

Tomflix   Live Site | GitHub
A full stack project inspired by Netflix built using React, Redux, JavaScript, Rails, Ruby, AWS, and PostgreSQL
- Integrated cloud storage by utilizing AWS S3 with Rails Active Storage associations to improve scalability and reduce load time for displaying video content and cover photos.
- Developed user authentication using frontend auth and protected routes with React-Router and BCrypt with Active Record ensuring authentication state persistence.
- Utilized the Redux store, AJAX requests, and debounce functionality to query specific videos for an interactive search bar.
- Built personalized playlist functionality using CRUD endpoints through jQuery's '.ajax()' method and PostgreSQL to allow users to modify their MyList on the frontend and persist on the backend.

MoAA   Live Site | GitHub
A Pathfinder Algorithm Visualizer implemented with Vanilla JavaScript and Canvas
- Engineered a pathfinder simulation showcasing the traversal of search algorithms through nodes.
- Implemented Dijkstra's Algorithm, Breadth-first search, and Depth-first search by utilizing adjacency lists, stacks, and queues demonstrating distinctions between the algorithms.
- Leveraged custom event listeners to allow user to add walls and weights to nodes.

EDUCATION

App Academy - *1000-hour immersive full-stack software engineering intensive with <3% acceptance rate*   Aug 2019 – Nov 2019
New York University, Tandon School of Engineering - *BS - Business Technology Management*   Sept 2014 – May 2018
- *Applicable Courses*: *Intro to Python, Intro to Web Dev, Data Analysis, Data Communications & Networking, MIS*

Stuyvesant High School - *Advanced Regents Diploma*   Sept 2010 – June 2014