

Neeki Askari

New York, New York | (949) 584-5971 | neeki.askari@gmail.com

LinkedIn: www.linkedin.com/in/Neeki-Askari

Github: <https://github.com/Neeki-Askari>

Technical Skills

Languages: JavaScript, Typescript, HTML

Testing: Jest, Mocha and Chai

Front End: jQuery, React, Next.js, Tailwind, MUI, Mantine

Back End: Ajax, Express.js, MySQL, MongoDB, PostgreSQL

Professional Experience

Software Engineering Immersive Resident

June, 2023 - current

- Engaged in personalized discussions with students, clearing up any misconceptions or challenges encountered in full stack software development.
- Explained the core concepts of JavaScript and React.
- Created a learning environment conducive to the development of self-sufficient software engineers.

Mission Advanced Pain Management & Spine Center | Medical Assistant

2018 - 2022

- Implemented streamlined EMR workflows using Epic system, enhancing operational efficiency and patient care, leading to a 35% increase in patient volume.
 - Led strategic technical training programs, equipping staff to excel and optimize operational performance.
 - Leveraged software applications to submit insurance authorization requests, reducing overhead and expediting approval process, improving patient satisfaction and increasing revenue.
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Software Engineering Applications

WALL-E Mart | Javascript, Node.js, Express, React, Axios, Jest

2023

Designed and implemented the Ratings and Reviews module for a client-facing retail web-portal.

- Leveraged CSS and React to build subcomponents like rating and product breakdowns, review tiles, and dynamic review lists, enhancing module functionality and user interaction.
- Boosted the ratings and reviews module's Google Lighthouse Performance score to 85 and Accessibility score to 80, improving user experience.
- Conducted unit and integration tests with Jest, achieving a 70% test coverage, ensuring module reliability.

Hyperloop API | Javascript, Node.js, Express, PostgreSQL, EC2

2023

Developed and optimized a backend system to support the diverse services of a high-traffic web application.

- Engineered a PostgreSQL database and ETL process for efficient loading of massive datasets.
- Optimized queries by adding indexes to the database, improving latency, from 9s to 12ms and increased scalability from 100RPS to 1000RPS.
- Utilized Loader.io and SoapUI for stress testing and used this data to improve latency by an additional 50% by increasing the max_connection and shared_buffers properties for the PostgreSQL database.

BeFriends | Javascript, Node.js, Tailwind, DaisyUI, Vite, Express, Axios, PostgreSQL

2023

Planned and executed a full stack web application where users can connect with others in their area based on interests.

- Engineered the Discover Mode feature using React, JavaScript, and supplemental React libraries and integrated Tailwind CSS and DaisyUI for a tailored, interactive user experience.
 - Constructed the back-end with PostgreSQL for robust data handling and employed Express for API routing, significantly improving data storage and retrieval efficiency.
 - Collaborated in an Agile team setting, driving timely deliverables and ensuring complete requirement adherence to facilitate project success and efficiency.
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Education

Hack Reactor | Software Engineering

2023

University of California, Santa Barbara | B.A. in Sociology

2018