Hasin Mahmood

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SKILLS

Languages: TypeScript**,** JavaScript, HTML/CSS, Python, C++, SQL

Frameworks/Libraries: NextJs, Node.js, React, Express, Formik, ChartJS, TailwindCSS

Tools: Git, GitHub Actions, PostgreSQL, Figma, Supabase, Relational Database

WORK EXPERIENCE

iKooK - Front-end development intern   *June 2023 - Sep 2023*

- Built responsive booking confirmation email templates using HTML and CSS, ensuring that they look consistent across email clients and browsers
- Added blogs as a feature to the site - fetching raw blog data from API and parsing HTML from API response to display in React.
- Worked together with a backend engineer to scope features and agree on data contracts.
- Successfully collaborated with the founder to scope, design, and implement new features, demonstrating effective communication and project management skills.
- Owned the redesign of the "explore menus" page, creating an interactive prototype using Figma and providing a comprehensive design summary document for seamless implementation by the development team.
- Gained hands-on experience in version control and collaborative software development workflows using Git and GitHub, including branching, forking, cloning, and making commits following conventional commit messages

PROJECTS

[Object Alchemy](#) - Dummy data generator

- Built an application to generate dummy data given an example schema
- Deployed using Vercel and served over 150 unique users
- Ensured type safety between components using TypeScript
- Built an API using express and implemented robust error handling
- Significantly reduced response time of requests that required image generation by running API requests in parallel
- Built using React, Formik, Typescript, Express and NodeJS, TailwindCSS

IOT Dashboard

- Worked as part of a team to develop an IOT dashboard where sensor readings from an Arduino are displayed on a React site
- Wrote an Express API to POST/GET sensor readings from an Arduino and implemented real time fetching of data to eliminate redundant GET requests to the server
- Implemented a clustering algorithm to reduce the number of points displayed on a chart by more than 10x resulting in a significant boost to performance.

EDUCATION

University of Surrey   *Sep 2020 - Jul 2023*

Computer and Internet Engineering BEng (Hons)   *Grade Achieved: 2:1*

- Relevant Courses: Computational Intelligence, Data & Internet Networking, Engineering and Professional Studies, Advanced Challenges in Web Technologies, C++ and Object Oriented Design, Computer Algorithms and Architecture, Web Applications and Development