Juhmer Tena

619-621-0793 | juhmertena@gmail.com | linkedin.com/in/juhmer-tena | github.com/AxiosDeminence

Education

University of California, San Diego   La Jolla, CA
BS in Computer Science, Major GPA: 3.758   Jun. 2022

Technical Skills

Languages: Java, Python3, C/C++, SQL (Postgres), JavaScript, HTML, CSS, Go
Libraries/Frameworks: Django, Django REST Framework, Jest, Cypress, Pytorch, Falcon
Developer Tools: Git, AWS EC2, DigitalOcean Droplets, gdb, Docker, Eleventy, Vite

Projects

Pomodoro Timer #2: https://github.com/AxiosDeminence/pomodoro-timer   Apr. 2022 – Present
- Inherited an existing project to improve the codebase and polish the web application
- Applied multiple design patterns to decouple existing components to improve codebase maintainability
- Explored time management problem domain to target specific areas of improvement for the app
- Used JSDoc to introduce incremental typing when refactoring to improve developer experience

Roleplay Dice Scraper: https://github.com/AxiosDeminence/MissingID_Experiment   Apr. 2022 – Present
- Mapped existing code and third party library to a C native addon for Node.js using Node-API bindings
- Quickly parsed files with libcsv to find missing ID numbers and reduced the required number of queries
- Used cheerio.js to scrape and export recorded rolls in valid DSV formats to preserve data

Portfolio Website: https://github.com/AxiosDeminence/AxiosDeminence.github.io   Apr. 2022 – Present
- Used Eleventy to statically generate a portfolio website to showcase different projects
- Employed Vite to bundle third party assets to reduce number of requests and page load times
- Built web components with LitElement to support hydration to gradually upgrade components

Pomodoro Timer: https://github.com/kat066/biglunchbox-pomodoro   Jan. 2021 – Mar. 2021
- Co-managed a team of eight developers to design and develop a web app using native web technologies
- Ensured adherence to agreed quality standards by performing code reviews and regulating team practice
- Leveraged Cypress and Jest to perform end-to-end and unit testing in the project's CI/CD pipeline
- Defined custom web components with HTML templates to increase project maintainability

Meeting Time Recommender: https://github.com/AxiosDeminence/trito-n-meet   Oct. 2019 – Nov. 2019
- Led a team of four developers to deliver a native Android app to coordinate user schedules for meetings
- Designed a PostgreSQL database hosted on Heroku to maintain user schedules and active groups
- Developed a RESTful API using Falcon and Psycopg to suggest meeting times based on user schedules
- Implemented an Android app where users create groups and schedules to receive possible meeting times

Scalable Database   Nov. 2021
- Devised a protocol to scale storage space across multiple servers to increase service resiliency
- Used consistent hashing to manage server nodes to allow for addition or removal of nodes
- Built a central server to mediate queries for clients to learn where they can access their saved data