

Franklin Jara

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EDUCATION

Adelphi University

Master of Science in Computer Science, Specialization Software Engineering

Garden City, NY

Aug. 2021 – Dec 2022

Farmingdale State College

Bachelor of Science in Computer Programming and Information Systems

Farmingdale, NY

Aug. 2019 – May 2021

Suffolk Community County College

Associate of Science in Computer Programming and Information Systems

Selden, NY

Aug. 2017 – May 2019

EXPERIENCE

Graduate Teaching Assistant

Adelphi University

August 2021 – Present

Garden City, NY

- Delivered a range of teaching and assessment activities, including tutorials and tutoring.
- Contributed to the development of appropriate teaching materials to ensure content and methods of delivery meet learning objectives.
- Participated in the supervision of practical work, advising on skills, methods and techniques to assist the transfer of knowledge.

PROJECTS

Powerful | *NodeJS, Express, Prisma, PostgreSQL, TypeScript, NextJS, Redux Toolkit, Tailwindcss* Powerful Demo

- Developed a full-stack web application using with Express serving a REST API with NextJS as the frontend.
- Implemented Redux Toolkit and RTK Query for state management to get user's data.
- Used JWT to store token to access private routes for authorized users.
- Used Cloudinary API to store images for better optimization and manipulation.

IFT | *NextJS, Chakra-UI, NestJS, TypeORM, JWT, PostgreSQL, Redux Toolkit, TypeScript, Cloudinary* IFT Demo

- Developed a Chakra-UI customized theme with dark and light mode.
- Implemented a full-stack web application using NestJS serving a REST API with NextJS as the frontend.
- Implemented continuous delivery with Vercel for automatic deployment and previews with URLs.
- Used TypeORM to write high quality, loosely coupled, scalable, maintainable applications with PostgreSQL.

Idea Net | *React, Vite, Mongoose, MongoDB, Express, NodeJS, JavaScript, Heroku* IdeaNet Demo

- Developed JWT to store token to access private routes for authorized users.
- Implemented a full-stack web application using Express serving a REST API with React as the frontend.
- Used mongoose API to model a straight-forward model and store on MongoDB Atlas.
- Used Heroku to store the database and Netlify to host the React App for easy deployment.

ITS | *NextJS, MongoDB, Mongoose, Express, TypeScript, JavaScript, Redux Toolkit, JWT* ITS Demo

- Used Redux Toolkit for state management to share data across multiple components.
- Implemented a full-stack web application using NextJS serving as the client and Express serving as a REST API.
- Used TypeScript to build backend to ensure the application is code strongly typed.
- Used GitHub to track, discuss, push and pull request for easy collaboration with the a team of 4.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C++, CSS3, HTML5, GraphQL, PostgreSQL, MySQL, NOSQL (MongoDB)

Frameworks: React, Node.js, NextJS, Chakra-UI, NestJS, Material-UI, Tailwindcss, Express

Developer Tools: Git, Docker, VS Code, Visual Studio, Bash, Vim, NPM, YARN

Libraries: Redux, Redux Toolkit, TypeORM, Prisma, Mongoose, JWT, Apollo-Client, Alexa SDK-Python

Other: Data Structures, Algorithms, Object Oriented Programming, Agile, Scrum, NPM, Yarn, MVC, Design Patterns, Software Systems, RESTful