

Jacob Kerames

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SKILLS

- .NET
- Next.js
- JavaScript
- Python
- PostgreSQL
- Git
- C#
- React
- TypeScript
- MS SQL Server
- Azure
- HTML/Bootstrap/CSS

RELEVANT EXPERIENCE

AKN Realty, New York, New York

September 2023 – November 2023

Software Engineer Intern

- Created fully dynamic, custom maps using .NET MVC, MS SQL Server, and Google Maps Javascript API.
- Collaborated in determining an optimal architectural design of a SQL Server database.

PROJECTS

SkillsScope

December 2023 – Present

Next.js, React, TypeScript, .NET, C#, Python, PostgreSQL, Azure, Git

- Developed a web app aimed at analyzing job market trends to identify in-demand skills, education, and experience for various job titles, allowing job-seekers to methodically and efficiently satisfy the needed requirements.
- Implemented a Python/Scrapy web scraper to collect job posting data from Indeed, overcoming challenges in data acquisition while respecting legal and ethical boundaries.
- Utilized PostgreSQL and a .NET Web API, each deployed on Azure, for robust data management, designing dynamic SQL queries to retrieve user-specific job market insights based on job title and customizable filters like recency, company, location, and job level.
- Created a user-friendly interface with Next.js, React, and TypeScript, allowing users to search and filter job market trends, displaying the most requested skills, education, and experience tailored to their queries.
- Planning to integrate machine learning algorithms to analyze job postings for skill extraction, enhancing the app's capability to interpret varied job posting formats and provide more accurate market insights.

Portfolio Web App

November 2023 – Present

Next.js, React, TypeScript, .NET, C#, SQLite, Azure, Git

- Developed a web app using Next.js/React and .NET to enhance my software engineering skills and demonstrate proficiency in modern web development technologies.
- Designed and implemented a unique terminal-styled component within the application, enabling users to interact with a command line interface for accessing information and various projects.
- Utilized Next.js/React to create a dynamic and responsive frontend, successfully deployed as an Azure Static Web App.
- Developed a robust .NET Web API, seamlessly integrated with the frontend and deployed as an Azure App Service to ensure efficient backend management.

Duel

March 2023 – Present

Swift, Python

- Engineered an interactive application in Swift for Apple Watches.
- Collected data and utilized Python, Turi Create, and Pandas for cleansing and preparing it for machine learning models.
- Trained an activity classification model for gameplay motion detection.
- Leveraged the Watch and Multipeer Connectivity frameworks for short-range inter-device communication.

EDUCATION

Colorado State University Global, Denver, Colorado

B.S. May 2023

Computer Science

GPA: 4.0

- **Honors:** Summa Cum Laude