Brian Kasper

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EXPERIENCE

Mediaocean   New York, NY
Software Engineer   October 2021 - Present

- Developed a library of pure, framework-agnostic web components, now utilized across multiple company applications.
- Established a content delivery network (CDN) to distribute shared static assets, enhancing the performance of web applications by markedly reducing bundle sizes.
- Designed a Slack bot for automated updates on specific internal packages, streamlining communication.
- Adopted conventional commits for various projects, elevating code quality and facilitating change tracking through automated change logs.
- Led the development of Prisma Campaign Management's new application dashboard, resulting in enhanced user experience and increased functionality.

PNC Bank   Pittsburgh, PA
Technology Analyst   May 2021 - October 2021

- Worked closely with the Cyber Defense team to identify potential cybersecurity threats, implementing proactive strategies to mitigate risks.
- Developed Python scripts to capture data on unsuccessful automation tasks, subsequently generating daily reports on Confluence for team review.
- Designed a bespoke web application to extract emerging threats data from an SQL database, offering real-time intelligence and actionable insights to the development teams.

TD Ameritrade   Jersey City, NJ
Software Engineering Intern   May 2019 - August 2019, May 2020 - August 2020

- Designed and implemented a proprietary web application using Angular and TypeScript, streamlining the automation of release documentation for TD Ameritrade Institutional applications.
- Constructed an interactive release calendar, enabling managers and product owners to seamlessly view, edit, and synchronize upcoming release information with JIRA and Confluence.
- Extracted and consolidated critical data from platforms like JIRA, Bitbucket, and ALM to provide comprehensive insights into TD Ameritrade Institutional releases.
- Collaborated with multiple agile teams to modernize TD Ameritrade's consumer-facing website by upgrading all components to the latest version of Angular.
- Introduced server-side compression for static assets, optimizing performance in the newly established back-end infrastructure.

EDUCATION

The Pennsylvania State University - B.S. Computer Science   University Park, PA
Dual Minor in Cybersecurity and Mathematics *GPA: 3.52*   August 2017 - May 2021

SKILLS

Industry Knowledge:	NextJS / React, TypeScript, NodeJS, Docker, Jenkins, Git, MongoDB
Soft Skills:	Communication, Problem-Solving, Organization, Leadership, Teamwork

PROJECTS

Dollar Pizza Finder iOS   https://github.com/bpk9/Dollar-Pizza-Finder-iOS
iPhone app that instantly gets directions to the nearest $1 slice of pizza in New York City.

Penn State Bus Stop Alexa Skill   https://github.com/bpk9/PSU-Bus-Alexa-Skill
Enables Alexa devices to be able to determine when the next Penn State campus bus will get to a given bus stop using AWS Lambda.

Casper Personal Assistant   https://github.com/bpk9/Casper-Personal-Assistant
Desktop Personal Assistant that uses speech recognition to solve math problems and answer general questions by searching Wolfram Alpha and Wikipedia.

Robinhood Stock Trading Bot   https://github.com/bpk9/Robinhood-Stock-Trading-Bot
Python script to automatically analyze stocks in the S&P 500 and buy or sell them accordingly using Robinhood.