

Mason Schafer

Email me @ mason.schafer1@gmail.com

EMPLOYMENT

MonsterConnect / Indianapolis, IN

Apr. 2022 - Current

Software Developer

- Develop and maintain custom internal tools for the sales and marketing teams, streamlining their workflows and increasing efficiency.
- Collaborate with cross-functional teams to identify pain points in existing processes, design and implement effective solutions, resulting in significant time and cost savings for the company.

PROJECTS

Internal Research Tool Project

MonsterConnect

- Designed and developed an internal research tool using Next.js, Prisma ORM, Puppeteer, and Postgres, which scraped data from multiple websites, including Indeed and LinkedIn, and stored the results in a database for later use by sales and research teams.
- Implemented secure authentication using OAuth and integrated with Salesforce, allowing researchers to search the scraped data and compare it to companies already in the salesforce org, resulting in more efficient lead generation and conversion.
- Optimized the tool's performance and scalability, resulting in a 40% increase in search speed and a 25% reduction in data retrieval time, leading to improved productivity and revenue growth for the company.

Personal CDN

Personal Project

- Developed a personal CDN using TypeScript, Node.js, and Express, utilizing industry-standard caching and content delivery techniques to improve website performance and reliability.
- Implemented Kubernetes on Google Cloud Platform (GCP) to host the CDN, leveraging GCP's Container Registry to easily deploy and manage containerized applications.
- Designed and executed load testing to validate the CDN's ability to handle high levels of traffic, resulting in a 50% improvement in website response time.
- Independently researched and implemented industry-standard caching and content delivery techniques in the development of a personal CDN, resulting in a significant improvement in website performance and uptime.

HIBP API V2 HTTP Client | [GitHub](#) | [Package Ref](#)

Personal Project

- Developed a robust and reliable HTTP client for the HavelBeenPwned v2 API using Golang, providing a secure and efficient means of accessing the API's database of breached accounts and passwords.
- Features: pre-built HTTP client or ability to create your own custom HTTP client with custom params. Predefined methods to easily make use of the HIBP API endpoints (Examples on the GitHub README)

SKILLS

- Proficient in TypeScript, Node.js, Express, React and Go
- Experience with Kubernetes and Google Cloud Platform (GCP)
- Strong understanding of web scraping and data parsing using Puppeteer
- Knowledge of relational databases, particularly Postgres
- Experience with OAuth authentication and Salesforce integration
- Familiarity with Next.js and Prisma ORM
- Knowledge of load testing and performance optimization techniques
- Ability to collaborate with cross-functional teams and gather requirements
- Strong problem-solving and analytical skills

EDUCATION

Butler University / Indianapolis, IN

Jan. 2020 - June 2020

Bootcamp

- 6 months and 1,000 hours of hands-on learning, programming, and building/testing web apps.
- Engaged in daily pair-programming and collaborative problem solving.
- Course material focused on React, JavaScript/TypeScript, Python, SQL/NoSQL, testing, and best practices.
- Graduated at the top of my class alongside the remaining 20% of the initial cohort.