

Brian Kasper

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About

Driven software engineer leveraging cutting-edge technologies to tackle complex challenges. Strong foundations in computer science and keen attention to detail. Seeking opportunities to grow, collaborate with talented teams, and push boundaries in a challenging role developing industry-leading applications.

Skills

- JavaScript | React.js | Node.js | CSS | TypeScript | NextJS | AngularJS | Express.js | Elasticsearch | MongoDB | Python | React Native
- Amazon Web Services | Cloud Computing | Jenkins | CI/CD | Jest | Puppeteer | Unit Testing | Docker | Kubernetes | Kibana | Rancher
- Software Architecture | Micro Frontends | Software as a Service (SaaS) | Agile Methodologies | Scrum | Frontend | Backend | Full-Stack

Experience

Senior Software Engineer

Mediaocean

New York, NY

03/2024 - Present

- Leading the design and development of multiple enterprise-level micro frontend applications for Prisma Buyer Workflow, driving \$200M of revenue each year using the latest technologies of **NextJS, React.js, TypeScript, CSS Modules, Docker, and Kubernetes**.
- Spearheading the architecture and implementation of scalable APIs and background workers that serve 50,000+ daily users, using **JavaScript, Node.js, Express.js, AWS OpenSearch (Elasticsearch)** and other **AWS technologies**.
- Collaborated with cross-functional teams to gather requirements, provide technical guidance, and meet key project deadlines.

Software Engineer

03/2023 - 03/2024

- Redesigned the Prisma Buyer Workflow campaign dashboard using **NextJS, React.js, Node.js, and TypeScript**; optimized performance through code refactoring and server-side rendering, resulting in 30% higher user engagement.
- Led the development of several products E2E, from identifying system requirements and client dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- Improved system monitoring by integrating telemetry to collect detailed metrics; facilitating enhanced logging capabilities by linking client-side API interactions with specific data contexts for better traceability and analysis.
- Designed various continuous integration/deployment pipelines to streamline development, performed load/stress testing as well as unit/integration/e2e testing, reviewed pull requests and provided guidance to other developers.

UI Developer

10/2021 - 03/2023

- Created a library of pure, framework-agnostic web components using **JavaScript, Node.js, CSS, TypeScript, and HTML**, facilitating a company-wide UI refresh that enhanced user experience and aided in the [successful acquisition of Lumina](#), a global media planning tool.
- Developed and maintained an extensive testing suite, comprising over 200 unit tests using **Jest** and 800+ end-to-end tests using **Puppeteer**, ensuring robust product quality and significantly reducing the occurrence of recurring bugs.
- Collaborated closely with product and UX teams, gathering requirements and ensuring seamless integration of design concepts.

Software Engineer, Work Placement

PNC Bank

Pittsburgh, PA

05/2021 - 10/2021

- Implemented robust cybersecurity protocols, risk assessments, and incident response strategies using **JavaScript, Python, and SQL**, mitigating potential cyber threats and protecting client assets valued at \$500B+.
- Conducted comprehensive data analysis and developed insightful reports by leveraging advanced **SQL** queries and **Python** scripts, enabling informed decision-making through emerging threats data across multiple business units.

Software Engineer, Intern

TD Ameritrade

Jersey City, NJ

05/2020- 08/2020

- Migrated TD Ameritrade's consumer website to the latest version of **AngularJS**, utilizing code splitting, lazy loading, and server-side rendering, reducing load time by 60% from 3.1s to 1.2s.

Software Engineer, Intern

05/2019 - 08/2019

- Developed a proprietary web application using **JavaScript** and **AngularJS**, streamlining the automation of release documentation.

Education

Bachelor of Science

The Pennsylvania State University

State College, PA

08/2017 - 05/2021

- Major in **Computer Science** | Dual Minor in **Cybersecurity & Mathematics** | 3.52 GPA

Projects

- **CUE Mobile**: Developing a mobile app using **React Native**, offering AI-driven astrology insights via open-source LLMs (01/2024)
- **CUE**: Developed a [NextJS website](#) for personalized astrology insights, leveraging a **MongoDB** database with 14k+ data points. (08/2023)