KHADEM AVINOOR ALAM

Software Engineer

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https://github.com/DemonFangs | Toronto, ON, Canada

SKILLS

Programming Languages and Frameworks
JavaScript (Vanilla, Next, React, Angular 4/6), HTML5, CSS/SCSS, TypeScript

Back-End Databases
Node.js, Express.js, MySQL, NoSQL, Firebase, Docker

DevOps Cloud
AWS (S3, EC2), Heroku, CI/CD Pipelines, Docker

Tools Technologies
Git, Bash, Prebid.js, Google Ad Manager (GAM/DFP), Google AppScript

EXPERIENCE

Platform Engineer
AdBridg | January 2021 - April 2024 | Remote

Optimized platform performance by refactoring monolithic services into micro-services, improving system performance by 4% and scalability by nearly 20%.

Led migration efforts for legacy features to Next.js from in-house framework by migrating old features to the new framework and improving performance compared to legacy system by 10% including added features.

Developed and optimized scalable data aggregation pipelines to process large datasets from multiple sources, automating roll-ups and summarizing tasks for additional data points and breakpoints. Updated aggregators to reduce processing time by nearly 3%, developed logging system ease of debugging with notification for minimum manual intervention by a factor of 2, and improved data reliability with error handling resulting in easy debugging and reduced confusions from users by 9%.

Developed and managed CI/CD tools by designing an in-house queuing system for Continuous Deployment, reducing deployment errors significantly by nearly 30% and notify users with real-time state-changes.

Mentored new DevOps team members on the internal application and back-end systems. Helped them with onboarding on all the internal systems and analytical tools.

Develop new features and functionalities for back-end APIs and other dependent applications

Full-stack Developer
AdBridg | February 2020 - January 2021 | Remote

Enhanced web application functionality by delivering new features for client-facing apps, allowing users/publishers more options and nearly 10% increase in user engagement.

Designed CI/CD pipeline by integrating a versatile testing suite, redesigned existing pipeline with at the time modern queuing system to reduce deployment time by 30%, improving team efficiency and reducing production bugs

Developed scraper tool for scraping *ads.txt* from selected websites adhering to IAB guidelines and cross-referencing them with SSPs *sellers.json* to confirm validity of entries on both sides, which enhanced ad placement accuracy and compliance by 15%

Mentored Junior Developer on current and legacy systems. Trained them on efficient coding, good code practices and testing methodologies.

Developed multitudes of new features for in-house application, leading to a increase in client retention by 14% and nearly 19% increase in productivity for the Analytics team

Debugged distributed applications reducing client-side and server-side errors through thorough testing and optimization reducing errors during production by 20%.

Junior Developer
AdBridg | February 2019 - February 2020 | Remote

Spearheaded client-facing application development: Built and launched a new front-end client application using a custom in-house framework, improving client satisfaction and usability.

Developed in-house analytics tool for data visualization using Plotly.js, enabling stakeholders to make data-driven decisions 20% faster.

Junior Front-end Developer
Fizzz Design Corp. | November 2017 - January 2018 | Toronto, ON, Canada

Built web applications for clients from scratch or as per Graphics Designers specifications

Built, static, both single page and multiple-page applications with whichever framework best suits the clients needs.

Developing both front end and back end web applications.

Integrated data structures to generate dynamic web pages.

Implementing more accessible web pages.

Fizzz Design Corp. Official web page
Link: http://www.fizzz.com

Developed, updated, maintained and deployed the web page according to the mock-up provided by the graphic designer.

Office of Integrity Commissioner of Ontario Annual Report 2017- 18 web page
Link: http://web.archive.org/web/20190929015820/http://www.oico.on.ca/ar/2017-2018/

Developing a web page according to the mock-up provided by graphic designer

Making sure the web page is AODA compliant and passes all WCAG 2.0 tests

EDUCATION

Bachelor's in Computer Science York University, 2017