**Software Engineer**

AppNexus offers one of the most powerful client-facing products in the online advertising industry: AppNexus Console. Our challenge is building an intuitive and simple interface on top of our extremely complex and powerful systems. Our clients rely on our front-end applications to easily operate and expand their businesses and efficiently buy and sell online advertising inventory. Equally important is our visualization of clients’ data, displaying everything they need to understand about how their business is performing and how they can better perform.

Consider some of the problems we tackle every day:

**Data Visualization**: We create critical charting and visualizations that are backed by reporting & data aggregations from the industry’s largest data sets. We communicate relevant data points with intuitive charts and sufficient context to help our customers make the right multimillion dollar decisions on a daily basis. Current projects include streaming near-real-time data to our clients in order to give them insight into campaign performance.

**REST APIs**: We build micro services that can handle high-volume requests, leveraging very complex object models.

**Permissions-Based UI**: How do we build a dynamic UI that appears as a custom product for each client? We are shifting from building multiple UIs to building a single UI with permissions-based features that are contract-dependent and appear differently based on which user is logged in.

**Modular**: We follow modular design patterns, making our components reusable and configurable to support modified UIs based on comparable use cases. We have an in-house framework built to support reusability and rapid prototyping. We take advantage of object-oriented design so that we only have to write code once, test it once, and have it available to everyone on the team.

**Prototype to Production**: As an ambitious company with Engineers who are stakeholders alongside Product Managers, we go from iterating & validating a new concept with beta customers to developing it into production-quality code. Our challenge is to create new interfaces that are intuitive for first-time users and arm them with the capabilities they need to control the micro details of their businesses.

**Responsibilities**:

* Design and develop new features for Console, the GUI to our advertising technology platform and REST APIs.
* Collaborate with Product Managers with diverse technology backgrounds
* Design, implement & test new features and system components
* Support, debug & fix issues in our production application
* Write efficient and maintainable code that has over 40 engineering peer-contributors
* Write unit and automated tests to provide code coverage, particularly for business-critical components
* Build & Consume REST APIs to manipulate data objects across a complex schema
* Collaborate with cross-functional engineering peers to implement end-to-end solutions

**Requirements**:

* BA/BS degree and 3+ years of experience in software engineering OR MS degree and 1+ years of experience (Degree in Computer Science or related field preferred)
* At least 5 years of experience in JavaScript along with server-side web development languages such as PHP, Python, Ruby, Node.js and Java
* Familiarity with MVC development patterns/frameworks (Zend, Rails, Django/Flask, Spring)
* Familiarity with Object-Oriented programming & Modular JavaScript
* Familiarity with asynchronous & event-driven development
* Passion for engineering and computer science that solves user-facing problems

**More about you:**

* You are able to communicate and debate ideas, objectives, requirements, and deadlines in a candid and respectful manner.
* You like to get your hands dirty and dig into the data, but never lose sight of the big picture.
* You care about solving big, systemic problems. You look beyond the surface to understand root causes so that you can build long-term solutions for the whole ecosystem

AppNexus is proud to offer equal opportunity in all aspects of employment. We strive to foster a diverse, inclusive and engaging work environment. We welcome applications from all candidates and look forward to receiving yours! Our diversity in action:

* Partnering with Path Forward to offer [returnships to help caregivers](https://blog.appnexus.com/2017/returnships-helping-caregivers-reclaim-careers-tech/) reenter the workforce
* Sharing feedback openly through roundtable discussions on how to make progress on our [Diversity & Inclusion goals](https://blog.appnexus.com/2017/a-more-diverse-and-inclusive-appnexus/)
* [Galvanizing diversity and inclusion](https://www.appnexus.com/en/company/diversity-and-inclusion) through our affinity groups (including OutNexus, AppNexus Women’s Network, AppNexus Latino Alliance and BlackNexus to name just a few!)
* [Partnering with Fairygodboss](https://fairygodboss.com/official-employer-info/appnexus) to support our commitment to women’s advancement in tech

**Learn. Teach. Build.**

AppNexians make greatness happen

[Join our community](https://www.appnexus.com/en/company/careers/why-work-at-appnexus)

<http://www.appnexus.com/en/company/careers/open-roles?rpid=pmCx4g5T7yM>