Job Description

Gracenote is the top provider of entertainment information, creating industry-leading databases of TV, movie, and music metadata for entertainment guides, applications and in car entertainment. Our technology serves billions of requests daily to hundreds of millions of devices around the world. Our customers include innovators like Apple, Twitter, Google, Spotify, M-GO and Hulu, top consumer electronics and cable companies, as well as leading automotive manufacturers such as Ford and Toyota, throughout the US and the world. Simply put, data provides you with an opportunity to impact the evolution of the entire entertainment industry.

We are presently looking for a **Software Engineer or Senior Software Engineer** to develop first screen ACR services serving tens of millions of devices, and be based in Seoul, South Korea.

The Gracenote service is a unique, high performance, massively scalable media recognition system tailored to the exploration of music, video and sports. We process billions of queries each day from millions of users across the globe, with an average response time in milliseconds. The service is the technology behind many of the most exciting desktop, mobile, automotive, and consumer electronic products and apps in the marketplace today.

**ROLE**  
Development of first screen ACR services serving tens of millions of devices

**RESPONSIBILITIES**

* Design and implement a cost efficient communication layer between consumer devices and ACR servers
* Extract fingerprint and metadata from various multimedia sources, including live broadcast
* Implement various consumer-dependent server side logics for ACR services
* Design and implement various server side components in the ACR pipeline
* Test the performance of various components in ACR system

**REQUIREMENTS/QUALIFICATIONS**  
*Basic requirements:*

* Bachelor’s degree (B.S.) or equivalent in Computer Science
* Experience in Unix/Linux based development environment
* Experience with at least one of the following programming languages: C/C++, Python, Go, JavaScript
* Knowledge in network and multithread programming
* Knowledge in data structure and algorithms
* A passion for problem solving

*Bonus qualifications:*

* Experience with mission critical services
* Experience with NoSQL databases (implementation or application to production services)
* Experience with asynchronous IO (Boost, libevent, IOCP, etc.) and high throughput server implementation
* Experience with large scale distributed systems (implementation, analysis, and troubleshooting)
* Experience with log and metric collection and analytics systems
* Experience with map-reduce based systems (Hadoop etc.)
* Experience with cloud environment and tools (Amazon AWS and its tools)
* Experience with DevOps tools (Chef, Docker, etc.)
* Ability to fast prototype API servers for web applications
* Ability to develop mobile apps (iPhone and Android)

Our passion for music, TV and entertainment on the open road, is at the heart of everything we do. But, what really makes us tick is our people. From Emeryville to Tokyo and Queensbury to Copenhagen, we are building the team that’s going to disrupt the digital universe. This starts by creating a workplace where all things entertainment is celebrated and innovation can come from anyone, not just people with offices and fancy titles.  So if you are interested in being mission critical and on the leading edge of global entertainment technology then please contact us today!

**Gracenote is an EOE M/F/D/V**