



Job Description – Software Development Engineer

We are seeking passionate and ambitious **Software Development Engineer** to expand our award-winning development team. Successful candidates will be responsible for building innovative product within Harmonic's comprehensive portfolio of video and media products and Cloud-based services.

The position involves conception and development of next-generation flagship products, services and systems for Harmonic's New Media initiative. Successful candidates for this position will be exposed to and learn about internet video, mobile live streaming and digital video content preparation and delivery to TVs, PC, iDevices and all other video-enabled devices within the context of cutting-edge technologies and techniques.

Roles & Responsibilities

- Implement robust and scalable software-based products and solutions in agile development approach
- Research new technologies, techniques and 3rd party frameworks
- Building innovative product with Harmonic's comprehensive portfolio of video and media products, as well as Cloud base services
- Travel to other R&D sites in the US or Europe may be required
- Familiar with Amazon Web Service, Google Cloud Platform and Microsoft Azure is a plus
- Familiar with Linux, Docker, Kubernetes/Mesos, SDN, big data analytic and machine learning is a plus
- Enthusiastic with vivid video technologies such as UHD HDR10, HEVC, etc. is a plus

Skills & Qualifications

- Bachelor degree or above in Computer Science, Computer Engineering, Mathematics, Physics or related disciplines
- Belief in excellence:
 - Strong passion for providing top quality product to customers
 - Ability to implement new ideas
 - Ability to think "outside of the box"
 - Ambition to challenge the best engineers in the world
 - Good analytical skills and communication skills
- Knowledge in one of Javascript, Python, Java, C++ programming languages is a plus
- Fast learner – can quickly pick up new skills as required
- Strong sense of commitment and responsibility
- Good team player with self-initiative attitude

Successful candidates will have the opportunity to learn & gain real-world experience in:

- Framework & control-path development
- WebApp design and development in HTML5, CSS, Javascript
- Data management: SQL, NoSQL (e.g. Cassandra, MongoDB), BigData, data analytics
- Middleware: SOA, RESTful interfaces, etc.
- Cloud platforms (e.g. AWS, Azure, Rackspace, Eucalyptus)
- Media processing: HEVC, H.264, MPEG2, MVC
- Scalable, highly available mission-critical distributed systems
- Complete software development lifecycle, including AGILE practices and development tools



Job Description – Site Reliability Engineer

The Site Reliability Engineer is responsible for supporting Harmonic VOS platform. VOS is Harmonic's next generation video delivery infrastructure operating in the clouds (AWS, GCP, Azure..etc) and on-premise environments.

In this role you will work with a team of geographically diverse engineers to strive for high degrees of availability, performance, and capacity of VOS systems once deployed in the field. The team has the responsibility to monitor, investigate and improve customer systems in the field to keep them running and healthy. Communication and co-ordination skills are essential in this position as you will work with multiple teams in multiple time zones, and need to collaborate very closely with other R&D team members, support and field staff. You will wear multiple hats to troubleshoot customer production issues, restore production services within the specified SLAs, validate customer scenarios and workflows before the critical bugs get fixed in production, develop scripts for the system recovery.

Roles & Responsibilities

- Build robust and scalable automation to manage and monitor cloud systems
- Improve reliability, availability and performance of the highly scaling cloud systems with recovery automation
- Research new technologies, techniques and 3rd party frameworks to benefit the automation

Skills & Qualifications

- Graduate degree of related discipline .i.e. Computer Science, Computer Engineering, etc.
- Fast learner – can quickly pick up new skills as required
- Adapt to modern software development lifecycle, including AGILE practices and development tools
- Good analytical skills and communication skills
- Willing to work under pressure
- Familiar with Python
- Configuration management experience (Ansible, etc.)
- Knowledge and/or experience in the following will be a plus:
 - Experience in Site Reliability Engineer/DevOps engineer
 - Containerization/Orchestration experience (Kubernetes, Docker, etc.)
 - Strong experience in managing Cloud service (AWS, GCP, etc.)
 - Networking (Ethernet Switching, IP Network)
 - Broadcast video systems (MPEG transports, Cable, satellite, IPTV)
 - Mobile video systems (encoding and distribution of video in OTT systems)
- Candidate with 5+ years' relevant experience and demonstrates strong technical skills may be considered as Senior Engineer.

Interested students/ graduates, please submit your CV via email to Ms Anne Wong at Anne.Wong@harmonicinc.com asap.