THE POSITION

The Professional Services Engineer/Consultant is responsible for assuring Coverity customers achieve long term success with our market leading Development Testing platform. Responsibilities will consist of on-site engagements with leading top-tier software development groups throughout the US. Occasional travel to other geographic regions including Europe and Asia may also be expected. Engagements are varied in profile, according to Coverity and customer needs, however typically involve the following functional activities:

Technical solution enablement (70%)

Following a defined solution plan, take complete accountability for accomplishing hands-on technical tasks for our customers across several core areas:

- Deployment and integration of Coverity tooling with customer’s software build systems, IDEs, other SDLC tooling, and processes
- Creation and implementation of custom scripts to achieve defined workflow objectives
- Identify, review and troubleshoot first line technical issues. Collaborate with Coverity colleagues to resolve more complex issues.
- Document and communicate the established solution clearly and effectively
- Liaise with other Coverity and customer stakeholders to enable dialogue and transfer technical knowledge as required

End user engagement (20%)

Communicating with software engineers, architects and business stakeholders to articulate the methodology, vision and value of the implemented Coverity solution:

- Assist customer team in reviewing, understanding and explaining the impact of code level software defects to developers
- Presenting to customer stakeholders on best strategies to address and remediate software quality issues to achieve a target state of continual defect prevention
- Creating and delivering concise and effective user-awareness material to educate customer’s team members on the exact details of the solution deployed for their environment
- Capturing and articulating best practices and experiences derived from other engagements to guide customers and effect meaningful change

Custom solution design and development (10%)

Design and implement innovative solutions which go ‘above and beyond’ to enable a specific customer requirement. For example:

- Development of custom static code analysis rules against the Coverity C/C++ SDK
- Creation of custom reporting, policies, or metrics to assist in measuring defect elimination performance against
objectives

• Integration of third party static code analysis results into the Coverity platform using the Coverity third party toolkit API

Candidate profile

The Development Testing Consultant must be able to engage in a credible and authoritative dialogue with both technical (software developer) and management audiences. He/she should be confident acting as an expert trusted advisor on all matters relating to the Coverity Development Testing platform, and should be able to speak with experience on topics relating to software quality, test driven development, software engineering principles and common industry development practices and methodologies.

• Knowledge and hands-on experience of common SDLC practices evidenced by success in prior roles such as software engineer, configuration manager, or software architect

• Hands-on familiarity, as a developer, with at least one (preferably two) of C/C++, Java, C# as part of a significant software project

• Knowledge of a sample of commonly deployed open-source and commercial software development tools

• SCM (git, Subversion, Clearcase, Perforce, Mercurial),

• Continuous Integration (Jenkins, Cruise Control, Team city)

• Technologies supporting test driven development (Clover, gcov, Bullseye, JUnit, NUnit, cppunit)

• Build scripts (Makefiles, CMake, Ant, Maven)

• Issue tracking systems (Bugzilla, Jira, ClearQuest)

• An expert level of skill in reading, writing and modifying scripts written in Perl, Python, and shell/batch scripting languages

• Comfortable and capable working with both Windows and *nix environments

• Professional consultative demeanour, can do’ attitude, and a natural aptitude for problem solving

• Ability to travel a minimum of 90%

About Coverity

Coverity is the trusted standard for companies that have a zero-tolerance policy for software failures. Now part of Synopsys, Coverity’s award-winning portfolio of software integrity products discovers software defects in development before they can impact the business. More than 1,100 customers rely on Coverity to help them deliver high-integrity software. We’ve contributed to some of the most complex software projects in history, including the Mars Rover and the large Hadron Collider project, and are looking for great and passionate people to join our team.

If you are interested in this position, please contact to jp-hr-saiyo@synopsys.com