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# Senior Build Engineer

Reports To

Lead Build Engineer

Responsibilities

* Engineer and develop core CI/CD systems and tools to provide support to all consumers of build pipelines
* Analyse and determine if current CI/CD system functionality meets the project’s requirements
* Work as a key part of an agile development team, and assist the lead with planning and review of features and mentoring less experienced programmers
* Implement innovative solutions to feature requests taking into account performance, maintainability, and appropriate resource usage
* Participate in the definition of coding practices and ensure coding standard are followed with regular code reviews
* Collaborate with stakeholders to gather and analyse technical constraints and establish solutions
* Stay up to date with state with advancing technology in CI/CD and promote its use where relevant
* Share knowledge and best practises
* Involved in the optimisation of CI/CD systems
* Responsible for the monitoring and maintenance of the farm
* Understanding of build farm machine performance testing, profiling and optimization

Skills And Knowledge

* Strong programming and scripting skills
* Proven ability to analyse unfamiliar code of a reasonable complexity to understand, extend, refactor, and optimize within CI/CD domain
* In depth knowledge of CI/CD Pipelines, including writing, maintaining, and debugging
* In depth knowledge of build farm infrastructure including speed and memory considerations and ability to implement advanced optimisations to farm or pipelines
* Strong understanding of infrastructure as code
* Strong understanding of build farm infrastructure and maintenance
* Strong understanding of how to write and maintain testable code / pipelines
* Knowledge of commonly used infrastructure tools (Docker, Terraform, Ansible etc)
* Ability to adapt to change
* Ability to mentor and support Junior Team members

Relevant Experience

* 5+ years commercial software development with significant involvement in CI/CD development
* Proficiency in a high-level programming language such as C#
* Proficiency in a scripting language such as Bash or PowerShell
* Experience working in a multi-site collaboration environment