**Document 3: Roles, Responsibilities, and Reflection**

| **Role** | **Responsibilities** | **Reference** |
| --- | --- | --- |
| Project Manager | Ensure project delivery, budget, scope, team coordination | CSQEHB Ch. 3 |
| System Engineer | Define system architecture, ensure requirements traceability | CSQEHB Ch. 4 |
| Software Engineer | Code implementation, unit testing, documentation | CSQEHB Ch. 4 |
| V&V Engineer | Execute validation plans, support reviews, report nonconformities | CSQEHB Ch. 5 |
| QA Lead | Ensure process compliance, manage audits and quality metrics | CSQEHB Ch. 3, Post 2 |
| Configuration Manager | Version control, maintain configuration records | CSQEHB Ch. 4, Post 1 |
| Test Engineer | Create test plans, develop test cases, automate testing | CSQEHB Ch. 5 |
| Requirements Analyst | Elicit, document, and validate stakeholder requirements | CSQEHB Ch. 2 |
| Risk Manager | Identify and mitigate risks, maintain risk registers | CSQEHB Ch. 3 |
| Customer/User Representative | Provide user feedback, validate requirements and usability | Discussion Post 3 |
| Security Analyst | Conduct threat analysis, ensure security requirements are met | Discussion Post 4 |
| Technical Writer | Create documentation, user manuals, traceability reports | CSQEHB Appendix B |

**Missing Role: DevOps Engineer**

* **Why it’s missing:** This role is crucial in modern software delivery but often absent in traditional V&V charts.
* **Where it belongs:** Under System Engineer or QA Lead.
* **Assigned Responsibilities:**
  + Automate build and deployment pipelines
  + Monitor system stability post-deployment
  + Support traceability of versions and deployment environments