

Engineering - Code Review Guidelines

CODE REVIEW GUIDELINES

1. Review Process

- All code must be reviewed before merging to main branch - Minimum 2 approvals required for production code - Reviews should be completed within 24 hours - Use pull request templates for consistency

2. Review Checklist

- Code follows style guide and best practices - Adequate test coverage (minimum 80%) - No security vulnerabilities or code smells - Documentation updated for new features - Performance impact considered

3. Best Practices

- Keep pull requests small (max 400 lines) - Write descriptive commit messages - Include screenshots for UI changes - Link to relevant tickets/issues - Respond to review comments within 4 hours

4. Code Standards

- Python: Follow PEP 8 style guide - JavaScript: Use ESLint with company config - Use meaningful variable and function names - Comment complex logic and algorithms - No hardcoded credentials or secrets

5. Testing Requirements

- Unit tests for all new functions - Integration tests for API endpoints - E2E tests for critical user flows - All tests must pass before merge

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