

Secure Code Review - Daily Amazon Activity

Job Requirement

"Manual and Automated Secure Code Review, primarily in Java, Python and Javascript."

What Amazon Expects

- **Live code review skills:** Identify security issues in real-time during interviews
- **Multi-language expertise:** Java, Python, JavaScript security patterns
- **Speed and accuracy:** Find critical issues quickly while explaining impact
- **Business communication:** Explain technical vulnerabilities to developers and managers

Interview Format

- **Screen sharing:** Review actual code during 60-minute session
- **Real-time analysis:** Identify and explain security issues as you find them
- **Follow-up questions:** Scalable solutions, prevention strategies, business impact

Contents

- [live-review-methodology.md](#) - Amazon's code review approach
- [java-security-patterns.md](#) - Common Java vulnerabilities and fixes
- [python-security-patterns.md](#) - Python-specific security issues
- [javascript-security-patterns.md](#) - Client-side and Node.js security
- [interview-scenarios.md](#) - Practice code samples with solutions
- [automation-integration.md](#) - SAST tools and CI/CD integration

Practice Routine

1. **Daily:** Review 2-3 code samples (10-15 minutes each)
2. **Weekly:** Timed mock review session (30 minutes)
3. **Focus areas:** Authentication, input validation, data access, session management

Success Criteria

- ☐ Identify critical security issues within 5-10 minutes
- ☐ Explain business impact of each finding
- ☐ Suggest scalable remediation approaches
- ☐ Communicate findings clearly to technical and non-technical audiences