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Stephen Patrick Enright ·



DiManEx

3rd Senior Software Engineer at DiManEx Ireland · [Contact info](#)

London University

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will all looking at correctly handling exceptions in Java web applications.

#### Cross-Site Scripting

Cross-site scripting, also known as XSS, is an attack against dynamic applications. It occurs when an application ignorantly accepts input containing units of abstraction from an external source. This input is then sent as part of the response to a delivery medium such as a web browser, and may also be persisted to a data store for future display. The success of such an attack is heavily dependent on a web browser's facility to discern regular content from instructions, markup and data. Let us consider a simple example, shown in Figure 1, that allows the posting of movie reviews.

Movie Review Example

Tags that Allow for Cross-Site Scripting

- Threats Of Cross-Site Scripting
- Preventing Cross-Site Scripting
- Filtering
- Encoding
- Error Reporting
- Conclusion
- Resources

Figure 1. Movie review example

Figure 1 shows a web page that allows a user to post a movie review. Let us consider what would happen if a movie reviewer uses payload containing some JavaScript code:

```
<script>alert("XSS!!");</script> </script>
```

The possible result of this is shown in Figure 2.

Handling\_Java\_Web\_Application\_Input\_Part2.pdf

attacks, have to spend vast amounts of time researching the security infrastructure of an application. An attacker can use this time for vulnerable webpages. Using these findings, an attacker to guess straight through the trial run sets an post for, starting a application. This is an never more so than today. There are a and frameworks available. Exploits are under increasing pressure, and hence place a heavy reliance on such tools. However not adequately deal with user input to meet all cases, and as a consequence security vulnerabilities. Therefore, if it is of paramount importance to secure coding practices are in place to close any possible due to attacks to take place.

The purpose of this series of articles is to explain common set emphasizes the importance of handling application input come ensuring the security of an application. This series is aimed at maintaining software systems that are immune to such issues. best practices, along with SQL injection attacks. In later articles deal with cross-site scripting attacks and error-handling tactics.

#### The Importance Of Server-Side Validat

The most common web application exploits are the result of us validating user input: client-side validation and server-side validation by improving the responsiveness and usability of a interfaces through a combination of JavaScript and HTML, also at least sophisticated than server-side validation and, if not user server vulnerabilities into an application.

For example, consider an online e-commerce application that, through the standard process of checking out, ordering payment validation is performed, and the state at each step is used to confirm the transaction. On confirmation, the order is wrapped. On receipt, the server performs no validation, but simply accepts.

Now, if you haven't already spotted the vulnerability, the threat attacker can view the HTML, change the price stored in client-side checks by disabling scripting through the browser's page locally. The attacker can then load the newly crafted checkout process, by submitting the order to the server for processing.

Although the above example is very simplistic, you are probably similar to many others. The point here is that data input into a user inputs, whether well-meaning or otherwise. Therefore, a user, which is a sure recipe for disaster. For example, consider page formatting and possibly deface a web page by passing in.

As a result, never gamble: always identify where data flows in findings reveal input being used to generate content, carefully construct and prudent as possible, by employing server-side.

#### Validation Best Practices

A critical validation practice is to always test for valid data data once you simply cannot receive. For example, consider a site with an error extension. If validation is enabled, it returns all files.

Handling\_Java\_Web\_Api



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## Experience



### Senior Software Engineer

DiManEx · Full-time

Sep 2017 – Present · 3 yrs 11 mos



### Search / Data Science Team

Workday · Full-time

Jan 2017 – Present · 4 yrs 7 mos

County Dublin, Ireland

As a senior software engineer I worked as part of a team building a new search platform scaling it for fortune 500 customers that used data science & machine learning for improved search relevance. [...see more](#)



### Senior Software Engineer / Team Lead

Fidelity Investments · Full-time

2010 – Present · 11 yrs

County Dublin, Ireland

Worked on platform that managed trades / transactions used by fund managers / traders to make trading decisions.



### Senior Software Engineer

Arconics

2009 – 2010 · 1 yr

### Software Engineer

IBM, DUBLIN SOFTWARE LAB

Dec 2003 – Sep 2008 · 4 yrs 10 mos



## Education

### London University

Bachelor's Degree, Computer Science, First Class

## Licenses & certifications

### Sun Certified Enterprise Architect (SCEA)

Issued 2005 · No Expiration Date

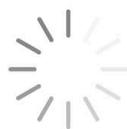
### Sun Certified Java Business Component Developer (SCJBCD)

Issued 2004 · No Expiration Date

### Sun Certified Java Developer (SCJD)

Issued 2004 · No Expiration Date

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