JEREMY BUIS

A multi-faceted flexible application security engineer.

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SKILLS

Web Applications	JavaScript HTML CSS Java Node.JS Express MithrilJS MongoDB Postgresql
Penetration Testing	Burp Suite OWASP Zap nmap Nessus Kali
Security Code Review	Brakeman FindSecBugs Semgrep Checkmarx Fortify

EMPLOYMENT

Senior Application Security Engineer, Software Secured

Performing web, network, and mobile penetration tests and secure code review for a variety of platforms and 2018-03 — Present applications. Guiding clients in application security tasks like threat modelling, secure design and vulnerability remediation and scoring. Owning team resources like test plans, payload databases, and report QA. Mentoring and assisting team members in their approach to security testing. Delivering quality content for the company blog.

- Reported multiple CVEs listed below.
- Delivered high quality reports to clients containing many high severity vulnerabilities for a diverse set of applications and products.
- Advised client developer teams on threat modeling, secure design/architecture, and risk classification/remediation.
- Performed quality control on outgoing client reports for the entire team.

Penetration Testing Security Code Review, Threat Modeling, Secure Design/Architecture, Vulnerability Remediation, JavaScript, Python, Java, Burp Suite, OWASP ZAP Microsoft Office,

Application Security Engineer, Software Secured

A broad role covering both software development and application security tasks. Writing code focused around 2014-05 — 2018-03 the Node.JS stack. Performing web application penetration tests and secure code review for a variety of platforms and applications. Some example applications include:

- Performed statis, dynamic and hybrid security tests against a wide variety of web applications. Used a variety of tools including: Burp Suite, OWASP ZAP, nmap, Nessus, Checkmarx, Fortify, Brakeman, Kali Linux

Agile JavaScript Python Java MongoDB Postgresql Github Burp git Linux OSX Express jQuery Mithril Microsoft Office

Web Application Developer, SecDev Cyber

Building internal tools in support of analytics and business requirements. Releasing visualizations for 2012-10 — 2014-05 external consumption.

- Created and launched multiple web visualizations to production.
- Built to completion, internal statistics tracking web application.

JavaScript jQuery Bootstrap Backbone D3.js Express HTML5 CSS git Linux OSX Python Brunch.io REST

Programmer Analyst, Canadian Medical Protection Association

Building internal tools and production websites using Java and Web Technologies. 2012-01 — 2012-06

- Performed software development and upgrades for public doctor facing knowledge website.

jQuery JavaScript Java Maven Ant Tomcat HTML5 CSS svn

EDUCATION

Offensive Security Certified Professional (OSCP), Offensive Security

Completed the OSCP certification. 2017-05 — 2017-09

Computer Science, Honours, Co-operative Program, University of Waterloo

Completion of a Computer Science focused education. 2006-09 — 2011-12

Software Design and Architectures Distributed Systems Computer Networks Computer Security and Privacy Introduction to Artificial Intelligence Advanced Offerings in Computer Science - Machine Learning

WRITING

Exploiting Less.js to Achieve RCE, Software Secured Blog

2021

Elementor Page Builder 2.9.8 Stored XSS, Software Secured Blog

2020

Jetbrains TeamCity Reflected XSS, Software Secured Blog

2019

ImageMagick RCE Take 2, Software Secured Blog

2018

RECOGNITION

CVE-2020-13864, CVE-2020-13865, Elementor

Stored XSS in Elementor 2020

CVE-2020-7015, Kibana

Stored XSS in Kibana TSVB 2020

CVE-2019-15848, JetBrains TeamCity

Reflected XSS in JetBrains Teamcity 2019

CVE-2018-2625, Oracle Weblogic

XXE in Oracle Weblogic 2018