

# Zachery Tillotson

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## Skills Summary

Languages:	Web Languages	Databases	Environments	Tools	Web Servers	Operating Systems
<ul style="list-style-type: none"><li>▪ Java</li><li>▪ C++</li><li>▪ PHP</li><li>▪ Perl</li></ul>	<ul style="list-style-type: none"><li>▪ JSP</li><li>▪ J2EE Java</li><li>▪ HTML</li><li>▪ CSS</li></ul>	<ul style="list-style-type: none"><li>▪ Oracle DB</li><li>▪ MySQL DB</li></ul>	<ul style="list-style-type: none"><li>▪ Netbeans IDE</li><li>▪ Eclipse IDE</li><li>▪ Visual Studio IDE</li></ul>	<ul style="list-style-type: none"><li>▪ Bash Shell</li><li>▪ Windows batch shell</li><li>▪ Pentaho Data Integration ETL</li></ul>	<ul style="list-style-type: none"><li>▪ Apache Web Server</li><li>▪ Apache Tomcat</li><li>▪ Sun Glassfish</li></ul>	<ul style="list-style-type: none"><li>▪ Ubuntu Linux</li><li>▪ Windows</li><li>▪ Solaris</li></ul>

## Professional Experience

### Software Developer, Sun Microsystems

November 2007 – Present

- Developed web reporting portal for Sun's Business Intelligence group
  - Created management layer for customizing report content
  - Developed chart and graph reports of download and registration information
  - Created complex SQL query statements to create reports
- Java, JSP, and Servlet based
- Oracle SQL database
- Glassfish application server
- Responsible for large database management involving the aggregation and normalization of diverse data sources
  - Pentaho Data Integration ETL software
- Maintained RESTful web services
- Found and fixed bugs, added functionality to APIs
  - Upgraded APIs to be RESTful web APIs
- Maintained and updated registration application in C++ for Windows
- Implemented Windows Management Instrumentation (WMI) to retrieve system information
- Used Ubuntu Linux, Solaris, and Windows XP extensively

### Release Engineer, Evergreen Research

July 2007 – November 2007

- Wrote Windows batch scripts for source management software
  - Automated deployment process
- Documented specifications of embedded Windows XP image for use in medical device

## Additional Experience

### www.CriticComrade.com

November 2008 – August 2009

- Created movie review website which gives users customized suggestions
  - 3-tier design
  - HTML/CSS/PHP front end running on Apache Web Server
  - RESTful Java Servlet API running on Apache Tomcat

## Education

### B.S. Colorado School of Mines, Golden, Colorado, 2007

- Major: Computer Sciences
- Area of Special Interest: Economics and Business
- Course Highlights:
  - Artificial Intelligence
- Focused on intelligent optimization algorithms ranging from simulated annealing to particle swarm
- Used algorithms to write self-playing Tetris game in Java
  - Field Course
- Created C++ software simulation of hardware to aid in cheap, automated, and precise testing for Medtronic Navigation