

WILLIAM F. GILREATH

503-602-7495
william.f.gilreath@gmail.com

345 Commercial Street NE
Salem, Oregon 97301

Summary

I am a multifaceted software engineer, web developer, and computer scientist interested in a full time software development engineering role.

Skills

Apache Tomcat	C/C++	C#	ClearCase	CVS	Eclipse	FORTRAN	Genetic Algorithms	Git/Github
IntelliJ	Java	JSON	Linux	LISP	Machine Learning	macOS	Middleware Talarian/TIBCO	MySQL
Netbeans	Neural Networks	Oracle	Pascal	PL/SQL	Prolog	Python	Shell Scripting	Solaris/SunOS
SQL	SVN	T/SQL	Technical Writing	Visual Studio/Code	UNIX	Windows	XCode	XML/SOAP

External Links

- LinkedIn: <https://www.linkedin.com/in/wfgilreath/>
- GitHub: <https://github.com/wgilreath>
- Home: <https://wgilreath.github.io/WillHome.html>

Freelance Work

Freelance/Independent Software Developer — Picayune, MS November 2006-May 2014

- Porting legacy code to more modern languages such as FORTRAN, Pascal to Java, C#.
- Implementing custom programs, tools, and utilities for the macOS, Windows, Linux.
- ZIP data utility in Java used to archive Oracle database information.

Independent Technical Author, Kluwer/Springer-Verlag — Picayune, MS March 2002-February 2003

- Lead author with Dr. Phillip A. Laplante, "Computer Architecture: A Minimalist Perspective."
- Researched the technical material relating to computer architecture and engineering for the text.
- Created programs in C, assembly language to demonstrate computer architecture principles.

Java Consultant/Developer, J.R. Simplot Company — Boise, ID February 2002-June 2002

- Rewrote and translated existing code to Java for several in house applications.
- Developed in conjunction with other developers a Java applet for interactive data visualization.
- Created documentation for training and education with Java using UML.

William F. Gilreath

Technical Contributor/Review Editor, Packt Publications — Mumbai, India (remote work) January 2019-July 2019

- Technical Contributor "Java Data Structures and Algorithms" technical assessment questions.
- Technical Contributor "Java Fundamentals" technical assessment questions.
- Review Editor "Professional Javascript" checking, evaluation, and testing of source code.

Professional Experience

Web Content Editor/Writer, Hummingbird Innovations — Happy Valley, OR September 2019-currently

- Research material from various online sources articles, blogs, books, research papers.
- Author content in Wordpress template and edit content, template for best quality.
- Resolve any content issues or web issues in accessing and viewing content in JavaScript.

Program Graduate New Life Fellowship, Union Gospel Mission — Salem, OR September 2015-September 2018

- Graduate of the New Life Fellowship (NLF) program to recover from homelessness.
- Computer support for front-desk, computer laboratory, staff computers.
- Developed web app to e-mail evaluations from form to staff.

Software/Database Engineer, Planning Systems, Inc. — Stennis Space Center, MS June 2006-November 2006

- Administration of information on MySQL database meteorological data on Linux server system.
- Developed Java application library for database management utilizing JDBC database driver.
- Wrote data population application with Java and shell scripts for raw data transfer from database.

Firmware/Software Developer, Hewlett Packard/Adecco Technical — Boise, ID March 2001-February 2002

- Webmaster of Apache Tomcat web server installed for development of web apps, tools, and utilities.
- Build printer firmware and debug failed builds on a distributed build system using C/C++.
- Development of HTML forms, web pages, CGI scripts, JavaScript libraries for web apps and tools.

Software Engineer, Micron Technology — Boise, ID June 1999-November 2000

- Developer for middleware manufacturing communication system using TCP/IP and UDP protocols.
- Developed and assisted in database development on Oracle, Sybase in PL/SQL and Transact SQL.
- Instructor for training classes for XML and corporate apps/libraries.

Lead Research Assistant, Computer Science Department Mississippi State — Starkville, MS July 1996-December 1996

- Lead for research project with professor, students in machine learning project for military application.
- Developed, tested, and maintained C/C++ code for neural network/genetic algorithm.
- Graduate courses in artificial intelligence: neural networks, genetic algorithms, simulated annealing.

Education

- Mississippi State University, Starkville, MS — Bachelor's of Computer Science, 1998.
- Nova Southeastern University — Graduate coursework for Masters in Computer Science, 2006