

Steve Perkins

Software Developer in Madison, WI

SUMMARY

I am a versatile Java developer with more than 15 years of software development experience and a Master's degree in system design. I've worked in all roles on a variety of projects including APIs, web services, web applications, cloud, database, and desktop. I have a consistent history of producing at a high level and focusing on client success either as a sole contributor or part of a team.

WORK EXPERIENCE

Senior Software Engineer

i3 Product Development

April 2017 – Present

- Consistently produced high-value output in constrained budgets and tight timelines
- Maintained high billable percentage while guiding clients through all SDLC phases
- Acted as sales engineer for prospective clients and projects
- Worked directly with clients to gather requirements, manage expectations, plan and implement projects, and provide email, phone, and onsite support
- Estimated, architected, designed, and implemented creative cloud IoT and server, web, embedded, and desktop solutions
- Added performance, security, and stability improvements to existing applications and APIs
- Reverse-engineered products to re-implement their features
- Configured, deployed, and managed cloud services on behalf of clients
- Identified and reported on application security risks
- Interviewed and evaluated prospective employees
- Mentored junior developers
- Implemented multi-threaded programming, calibration, control, and data-to-cloud software that interacts with several different hardware devices over multiple serial ports and multiple protocols to monitor and maintain the health of lab animal environments
- Designed and implemented service order entry and technician scheduling web application and RESTful API
- Designed and developed IoT solution to surface on-board engine diagnostic data to web and mobile apps
- Designed and implemented multi-threaded data graphing software streaming data from scientific instruments
- Designed and implemented cloud IoT solution and web application to surface restaurant appliance usage data
- Designed and implemented cloud IoT solution and web application to control and analyze industrial powered exoskeletons while managing a development team
- Designed and implemented Alexa skills to control slow cookers and residential thermostats
- Designed and implemented timesheet warehousing and analytics system retrieving data from a 3rd-party API
- Designed cloud IoT solution for snow plow management
- Recognized as world's foremost expert on Watchdog communication protocol

Technologies: Amazon Web Services, Microsoft Azure, Java, .Net, C#, REST, web services, Spring, Angular, AngularJS Material, Bootstrap, jQuery, HTML, CSS, Maven, Gradle, JUnit, Python, WebSockets, VB6, jSerialComm, Git

Senior Solutions Consultant

Omni Resources

January 2015 – March 2017

- Designed and developed Fans of Fury mind-controlled game (GitHub: <http://bit.ly/1QAtu3e>)
- Designed and developed manufacturing request approval system for a global client
- Enhanced and secured web applications
- Built prototype location-centric Xamarin/iOS mobile app for a national client in the transport industry
- Worked in a team to convert Struts web application to Spring/Java REST services for a large insurance contractor while gaining increasing responsibilities
- Performed Git Master duties, such as advising branching strategy, Git training, whole-codebase merges, and fixing commit issues
- Worked with difficult stakeholders to gather requirements and design a document management system
- Interviewed and evaluated prospective employees
- Obtained ADP II security clearance

Technologies: Java, .Net, C#, REST, web services, Spring, Angular, Bootstrap, jQuery, Maven, JUnit, soapUI, Xamarin, Raspberry Pi, Python, WebSockets, Windows, Mac OS, MySQL, SQL Server, Eclipse, Rational Software Architect, IIS, WebSphere, Git

Senior Software Engineer

Networked Insights

February 2013 – December 2014

- Fixed high-priority bugs and implemented high-priority feature requests with low turnaround times
- Created and maintained REST web services in an SOA environment
- Created and maintained features in core web application
- Designed and implemented custom UIs for small projects
- Managed team's code integration, tagging, and participated in sprint-based deployments
- Tested team's work, identified issues, and performed troubleshooting to determine root cause
- Implemented and maintained business automation
- Implemented and maintained data warehousing process
- Provided support for remote end users
- Interviewed and evaluated prospective employees

Technologies: Java, web services, Spring, MyBATIS, Maven, REST, JUnit, EasyMock, PowerMock, Mockito, jQuery, Angular, CSS3, HTML, JodaTime, ActiveMQ, Amazon S3, Wicket, Linux, Mac OS, Tomcat, PostgreSQL, Eclipse, SVN

Applications Engineer

Gates Business Solutions

October 2011 – February 2013

- Initiated, designed, implemented, and supported test automation solution to save \$11k/yr

- Developed web services API to allow flexible third-party automation of the auto claims process
- Developed and maintained web service integration between internal and external clients
- Authored extensive technical documentation for internal and external clients
- Provided development support to internal and external clients
- Interviewed and evaluated prospective employees

Technologies: Java, web services, Mule Enterprise Service Bus, CXF, Hibernate, Guice, Ivy, SOAP, XML, WSDL, REST, Apache ActiveMQ, JUnit, EasyMock, Linux, Windows, Tomcat, MySQL, Eclipse, SVN

Java Developer III

Total Administrative Services Corp *March 2011 – October 2011*

- Initiated and led effort to save \$483,000/yr and increase developer productivity by 1.6 man-years annually
- Implemented customer-facing web application using technologies new to the organization
- Instituted design processes to increase software quality
- Worked with offshore developers to develop new functionality and resolve bugs
- Managed team's development and build server

Technologies: Java, JSF2, Primefaces, JBoss services, EJBs, Hibernate, JRebel, Apache Ant, CSS, HTML, Linux, Windows, JBoss, MySQL, Eclipse, SVN

Sr. Applications Engineer

Global Science and Technology *March 2010 – March 2011*

- Designed and implemented automated metadata harvesting and aggregation software
- Used Test-Driven Development (TDD) in conjunction with other agile methods to create stable code with fast turnaround times
- Supported testing team and automated test procedures
- Worked in an agile team to develop client access API to disparate distributed data sources using Object-Oriented Programming best practices and design patterns
- Designed and implemented API demonstration application using Java Swing and REST services
- Designed and implemented product distribution website
- Designed and implemented automated software acceptance testing application allowing tests to be defined using simple wiki syntax
- Wrote technical documentation and user guides
- Analyzed and evaluated project requirements and designs
- Obtained Public Trust security clearance

Programmer Analyst

JT Packard *April 2008 – March 2010*

- Improved performance of 150-user client/server data collection application by 93% and decreased error rate by 61% in one year
- Introduced 74 new features in one product at a 96% success rate
- Automated business processes and integrated disparate business systems
- Used Web services (SOAP and REST) to integrate isolated systems

- Created, maintained and administered mission-critical desktop, server, and web applications
- Participated in all phases of the Software Development Life Cycle using a simplified Agile development process
- Provided customer support for internal applications

TECHNOLOGIES

Java	Spring	Gradle	PostgreSQL
C#	Spark Java	Maven	MySQL
VB.Net	Javalin	Ant	SQL Server
VB6	Tomcat	JUnit	Hibernate
Python	Jetty	EasyMock	MyBatis
NodeJS	Angular	PowerMock	Git
AWS	AngularJS	Mockito	SVN
	Material	Postman	Serial
	Bootstrap	soapUI	communication
	jQuery	REST, SOAP	Windows
	HTML	Serverless	Linux
	CSS		Mac OS
	WebSockets		Raspberry Pi
			Arduino

EDUCATION

**M.S. Information Technology
System Design and Development**
Capella University

**B.S. Information
Technology**
Herzing University
Magna Cum Laude

**B.S. Technology
Management**
Herzing University
Magna Cum Laude

CERTIFICATIONS

Amazon Web Services Certified Solutions Architect – Associate
Amazon Web Services Certified Cloud Practitioner
CompTIA Cloud+