

## 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, ESP8266, ESP32

### **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

### **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



- 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+