

# Joseph Clark, SENIOR SOFTWARE ENGINEER

## Summary

I am a senior software engineer with over seven years' experience in software engineering, design, and development. I've worked with a wide range of software languages and tools. I've had the opportunity to adapt and utilize cutting edge technologies and practices, and lead teams in using them.

## Areas of expertise

- Agile / SCRUM Development
- Software Architecture/Design
- Application Support
- Enterprise Integration
- Software Development Lifecycle
- Team Leadership
- AngularJS
- Angular 2
- C++
- C#/.NET
- Java
- JavaScript
- ECMAScript 6
- TypeScript
- Scala
- SQL

## Industries

- Aerospace & Defense
- High Tech
- Software
- Direct Marketing
- Hospitality Management
- Employee Recognition
- Travel Technology
- Media and information
- Personal Finance

## Professional experience highlights

### Relevant projects

#### Senior Engineer — Finance management software

- Helped architect, design, and develop a greenfield front-end website for management of customer information using Angular 2, Typescript, and Webpack. The application was completed simultaneously with the development of a new API and a customer facing website.

#### Senior Engineer — Media management software

- Architected, designed, and developed a greenfield front-end website for management of media assets using AngularJS 1.5, Typescript, Webpack, and Semantic-UI.

#### Senior Engineer — Travel technology software

- Architected and developed tools for business-to-business data transfer using Scala. Worked on public API development and documentation. Assisted client partners with implementing API's and support.

#### Lead Developer — Employee recognition and rewards software

- Helped architect and develop from the ground up a client facing mobile first website using AngularJS, Bootstrap, and Node.js. Lead a team of developers to the successful delivery of the project.

#### Developer — Hospitality management software

- Assisted with feature development and stabilization in the last stage of development before the first public release of a product using AngularJS.

**Developer** — Saepio API

- Architected and developed a client facing API using REST, C#.NET, Entity Framework and Oracle.

**Developer** — BarZaap

- Architected and developed API and server software for use by Android and iPhone apps using C#.Net

**Developer** — Aegeus Buoy System

- Architected and developed network transport layer using C++.
- Developed a public facing dynamic website for data presentation using C#.NET and JavaScript.

**Developer** — ISEGS

Architected and developed a public facing dynamic web site using PHP and JavaScript.

**Company History**

**Senior Engineer** — **Slalom Consulting**. Seattle, WA. 2014 – present

**Junior Software Engineer** — **Intellicheck Mobilisa**. Port Townsend, WA. 2010 – 2013

**Intern** — **Schweitzer Engineering Laboratories**. Pullman, WA. 2008 – 2009

**Tech Assistant I** — **WSU Department of Economics**. Pullman, WA. 2002 – 2008

## Detailed Professional Experience Joseph Clark

### **Slalom Consulting** Seattle, Washington. 2013 – Current

**Senior Engineer**

- Lead a development team from the early stages of the project to MVP handoff to the client.
- Developed and maintained existing software using multiple technologies including: AngularJS, Javascript, Node.js, C#.NET, Scala, SQL, and Oracle.
- Reverse engineered existing productions systems to provide documentation and add new features and functionality.
- Architected and developed multiple client facing SOAP and REST API's using C#.NET, Scala, SQL, and Oracle.

### **Intellicheck Mobilisa** Port Townsend, Washington. 2010 – 2013

**Junior Software Engineer**

- Developed software using multiple technologies including: C++, C#.NET, Java and Javascript/jQuery.
- Worked on smaller projects including web services, desktop and mobile applications, libraries and dynamic web content.

Project: BarZapp (2013)

- A project using iPhone and Android apps allowing users to scan and parse driver's licenses using their phone.
- Designed and implemented a web service backend using C# and WCF to support the Android and iPhone clients.
- Wrote significant sections of the Android application using Java and Eclipse.
- Implemented testing procedures for the service using Visual Studio Testing Framework.

- Worked as part of a 3 man team to rapidly bring the solution into production and public release.

Project: Aegeus Buoy System (2010 – 2012)

- A system of smart buoys deployed around the Washington State peninsula and on the Potomac River. Focused on the creation of a multipurpose system located in the littoral zone outfitted for environmental and security applications.
- Designed and implemented the network backend using C++ and Visual Studio to support fast, redundant, and efficient communication between buoys, shore stations and applications.
- Developed custom applications for data collection, processing, and display using C#.NET, JavaScript and Visual Studio.
- Worked as part of a 6 man team, 3 software and 3 hardware, to bring the research project to a successful conclusion.

## **Schweitzer Engineering Laboratories** Pullman, Washington. 2008 – 2009

### **Intern**

- Developed and implemented the SER Collector project as part of a 4-man development team.
- Performed manual and automated software testing procedures using TestComplete 7 and IBM Rational test software.

Project: SER Collector (2008 - 2009)

- An application to collect event data from SEL's power system protection devices and feed that data to a central location where it could then be sorted and manipulated at will.
- Developed as a 4-man team using C#.NET to communicate with SEL devices over serial ports.
- The project was successful and reached the goals presented to us by the customer.
- At the conclusion of the project it was deemed impressive enough to be presented before the entire company.

## **WSU Department of Economics** Pullman, Washington. 2002 – 2008

### **Tech Assistant I**

- Developed web applications using Apache, PHP, JavaScript, and MySQL on OS X.
- Designed, implemented and supported the ISEGS project through multiple implementations as part of a team.

Project: ISEGS (2002 - 2008)

- A web based exercise generation system developed to automatically generate and grade a different exercise for each student.
- Designed and implemented using PHP, Adobe Flash, JavaScript, and MySQL so that the only requirements of students was a web browser.
- Developed as part of a changing team over the life of the project with up to 5 members.
- Used in classes for credit with no major issues for several years before the project's retirement.

## **Education**

**Bachelor of Science**, Computer Science

*Washington State University*

## Certifications

- Microsoft Certified Professional – Microsoft
- Programming in HTML5 with JavaScript and CSS3 Specialist – Microsoft
- Certified ScrumMaster - ScrumAlliance