

Hamid M. Porasl

Mobile Phone: (650) 293 – 1966

e-mail: hamid@porasl.com

EDUCATION

Master degree in Computer Science and Technology, Royal Institute of Technology, Stockholm (KTH), Sweden (1998)

SKILLS

Java, Spring, Spring Boot, Hibernate, Ajax, React, JavaScript, Action Script, jQuery, jQuery Mobile, REST, JWT, OAuth2, JS, JSP, SQL, Liquibase, MS SQL server, Oracle, Swing, C++, C, PHP, Git, Github, SVN, Maven, Video Streaming (HLS), live and VOD. HTML5 HLS JS and Hive Plugin (P2P).

Video streaming using HLS and video Players as HLS JS and P2P plugins as Hive (Hive Agent & Hive Plugin).

Private projects at GitHub repository: <http://github.com/porasl>
homepage: <http://porasl.com>

PROFESSIONAL WORK EXPERIENCE

Inrik (Social Media Platform) - Nov 2020 - Present

Inrik is a new generation of Social Media Platform, allowing users to POST contents, Share contents, have their own Video Channels and have direct access to their own contents (video. Audio, photo and content on many other formats in a Content Box).

Skills among others: Java, Spring Boot, Hibernate, React, Node JS, JavaScript, Hadoop, REST, JWT, OAuth2, JSP, Servlet, PHP, Liquibase, mySql, MS Sql Server, Jenkins and GitHub.

Qumu - January 2012 – Nov 2020 (8 years and 1 month)

Burlingame – California

Worked on Video players, adds new features to Flash, HLS JS, HAS JS and Hive players. Worked on new features on the players as Captions, multi-audio etc.

- Developed REST API and implemented SDK/ reference implementation for REST Services API
- Worked on Authentication and Authorization of REST requests, among others used OAuth2 and JWT.
- Developed services at backend (Java, Hibernate, Spring, SQL Server /Oracle, Liquibase ...)

- Developed client side applications for different IBM tools, i.e. Portlets for WebSphere, widgets (for IBM Connections) and some integration tools for IBM Content Navigator. (jQuery, JavaScript, Dojo, Ajax, cross domain scripting)

- I worked in core development and integration teams.

- I developed JS Plugins among others for HTML 5 Video Player HLS JS.

J2EE, Java, Spring, Hibernate, Liquidate, jQuery, jQuery Mobile, Ajax, JavaScript, Action Script, HTML5 Plugins (JS), JSP, Servlet, Dojo, JSON, Cross Domain Scripting, REST, Open Social, Shindig, XML, CSS, Microsoft SQL Server, Oracle, JBoss, Tomcat, WebSphere, maven, SVN Widget and Portlet development among others for IBM tools as WebSphere Portal, IBM Connections and IBM Content Navigator etc.

Apple – January 2012 – November 2012 (Cupertino – California)

Worked at **Apple** via Infosys - iTunes team.

Developed applications to generate and analyze sales reports for iTunes.

Java, Spring, Hibernate, JPA, Oracle, SQL, JSP, Servlet, REST, JQUERY, JavaScript, AJAX, JSON, JSF, Web Services, JBoss, Tomcat, Maven, SVN, etc.

TELUS Vancouver, B.C.

April 2011 – October 2011 – Contractor

Worked on User Data Management and VDM projects for Quebec government. User Data Management tool is used to define users, roles, rules and permissions, etc.

keeping record of equipments and products that are provided to Municipalities and customers.

Exporting search results in different file formats, i.e. Excel, CSV and PDF, using ICE Faces data export support. By using JSF Phase listeners he could find ways to customize columns and header of generated files.

In the analysis phase of these projects he had several meetings with Québec government's BAs to analyze requirements, environments that application has to run in. Number of users, relations between different modules, navigation between screens, validation of input values and handling of error messages. During analyze phase he created Data flow diagrams, sequence charts, validation, navigation flows and integration of this tool with other TELUS tools.

I had had responsibility to analyze data produced and consumed by Data Management tool to make sure that shared data in database doesn't interfere with data used by other applications. Defining editable, null able columns, etc.

In the design phase he designed and implemented a prototype for demo by using stub implementation and interfaces. For prototype he made a reference implementation from web layer to data access layer using different J2EE technologies as JSF (ICE Faces), JSP, Ajax, Java Bean,

Spring, SQL, Stripe for VDM, iBATIS, Oracle, JavaScript, CSS, jQuery, Ant, WebLogic, XML, Maven, JUNIT, SVN, Clear Case etc.

My implementation was used as reference implementation for implementation of other modules by developer. User Data Management contains of 3 main groups, i.e. Municipality, Customer and Products.

Application was deployed in WebLogic. To overcome manual deployment process on different servers, he designed and created a build.xml file and some property files that are used by Ant to deploy and un-deploy the applications on WebLogic.

- Operative Systems: Windows and Linux
- Agile build and development environment

Ericsson Vancouver, B.C. December 2010 – April 2011 - Contractor

I worked on web-based applications for IP network configuration, i.e. Net OP Network Service Manager (NSM). his main task was integrating Ericsson's JSF (Rich faces-Seam) based NSM with inherited Marconi ServiceOn ESA + Element Management System (EMS) in order to create NetOp EMS/NSM

NSM which was used to configure routers and devices connections had to be integrated with inherited Marconi's EMS/ESA. Marconi EMS/ESA is able to create, modify and delete E-LAN (Emulated Local Area Network (ATM, LAN)) and E-lines. Marconi's EMS/ESA is written in Java Swing and was using web services while Ericsson's web based NSM is implemented in JSF-Seam + EJB.

In analysis phase I suggested 2 deliveries. In first delivery don't touching server side of Marconi's EMS/ESA and only re-implementing EMS UI in JSF. Challenge here was finding and understanding request parameters and input parameters that EMS/ESA back-end needed and mapping these parameters in a correct way to new JSF UI. In other words challenge was invoking already implemented EMS/ESA web services via JSF (Rich faces –SEAM) getting and displaying results, messages, alarms and errors on the new JSF UI, etc.

I analyzed all SOAP messages that EMS UI was generating to understand and catch parameters and value ranges. Using analysis result EMS/ESA server side could easily invoked by new JSF interface. One Integrated UI but 2 running server side processes on 2 different servers. One using EJB another one legacy Web Services + JDBC

Tools: JSF (Richfaces), JBoss, Seam, Web Services, Facelets, Java Beans, JavaScript, JUNIT, AJAX, CSS , PostgreSQL/Oracle, xml, XHTML, Ant and Clear Case.

IBM Vancouver, B.C. July 2008 – January 2009 and January 2009 – November 2010 - Contractor

I worked in Panorama project in his second contract with IBM. Panorama is a web based application that allows Health Ministries of different provinces in Canada follow-up diseases,

outbreaks and client/patient movement in Canada.

As Software Engineer, I assisted with the analysis, design and reference implementation of different modules of this Health care tool.

I worked with BC Health Authority to find out requirements for a module in Panorama called "Family Health". Family Health contains smaller modules where each has some pages. "Family plan", "care Plan", "Encounter Management" and UDF (Unified Definition form) specific for each Care Plan.

I did analysis, designed and made a reference implementation from web layer to Data access layer "Family Health" using different J2EE technologies as JSF, Servlet, JSP, Java Bean, Spring, Hibernate, Facelets, core Java, Ajax, JavaScript, XML, XHTML, CSS, WebSphere, RTC (IBM Rational Team Concert), JUNIT and Oracle

- Operative Systems: Windows and Linux
- Agile development environment

Elastic Path - Vancouver, B.C. July 2008 – January 2009 - Contractor

I worked as Software Engineer in Elastic Path's Google team, with responsibility to develop and update Google's e-stores, i.e. Google Earth and Google SketchUp e-stores.

I worked on Symantec e-store and on its Merchandising module of this e-store.

Used different J2EE technologies as Velocity, Spring, Java Bean, Hibernate, MySQL, XML, CSS, JavaScript, CSS, SVN, Eclipse etc.

- Operative Systems: Windows and Linux
- Agile development environment

Evident Point Vancouver, B.C. May 2007 – October 2007 - Contractor

I worked in 2 different projects in Ritchie Bros in Richmond BC via Evident Point.

1. Web-based application, which provides online services to Clerks (during bidding process).

In analysis phase I worked on requirements. Developing needed algorithms, solutions. Defining limitations, exceptions, change requests. Documentation among others data flow, sequence charts, use cases, input and output formats of data.

Then I designed modules that have to persist, export and import data asynchronously to different devices/ media by using JMS and subscription of devices to accept update requests, since bidding data has to be inserted directly via web UI or via different media, get persisted and get published immediately via different media, i.e. via Web UI, on big screens on bidding field, on mobile devices/applications carried by clerks and customers, etc. Critical part here was to make sure that data appears "At the same time" on all devices that display bidding results/ data. Broadcasting of data as voice for phone customers "at the same time" was excluded from requirements because of complexity.

After analysis I designed a prototype / reference implementation from web layer down to persistence layer.

Tools: JSF (MyFaces Tomahawk), Java Bean, JavaScript, CSS, JSP, Eclipse, Tomcat, SVN, Hibernate and Oracle.

2. A web-based application which is used for planning, submission and approval of annual sale plans in an organization based on 4 levels of managers.

Tools: JBOSS, Seam, JSF (Rich Faces, Facelets), AJAX, JavaScript, CSS, Hibernate, MS SQL server, Oracle, SVN and etc.

- Operative Systems: Windows & Linux
- Agile development environment

Business Objects Vancouver, B.C. October 2006 – April 2007 - Contractor

I implemented administration page of Business Objects BI Platform.

I used different J2EE technologies in this project among others JSF (Tomahawk), Java Bean, JSP, JavaScript, CSS, Eclipse, Perforce and etc.

Siemens via DIS AG - Germany **October** 2001– March 27, 2006

From Oct 2001 to middle of 2004 I worked for Siemens middleware OTS (Operation & Maintenance Tool Set). This middleware contains among others Bulk CM IRP Agent subsystem, which follows 3GPP defined interface MCCM. Analyzing MCCM Interface and investigating ways to integrate with Siemens OTS.

Bulk CM IRP Agent contains of two sub systems the FET Client and a server side. IRP Agent FET Client uses 3 GPP defined interfaces to communicate with server side and Notifications are based on Telecommunication Notification specification. During next 2.5 years I worked on Analyzing modules and interfaces around IRP Manager and Its FET Client. This task means to make sure that both IRP Manager and IRP FET client can communicate with each other via a well-defined interface that has to handle thousands of parameters, settings and default values. And challenge here was that Siemens is owner of IRP Agent but not FET Client. Each Operator as Vodafone, Singular, T-Mobile, H3G, TIM and ... have their own implementation of FET Client. Every aspect and function in IRP Manager had to be first reviewed by different department and design teams at Siemens and then separately by each customer. 2 parallel processes; one for GSM networks and one for 3G networks. I had to define common features and features that had to be customized for each client.

From middle of 2004 to end of March 2006 I worked as software designer and team lead for WBT (White board test) and BBT (Black box test) of all OTS products in Siemens Leipzig.

During his work at Siemens I was in direct contact with Siemens international customers in different roles. He worked and visited different Siemens locations as Munich, Hanover, Milan in Italy and Breslau in Poland. I was in direct contact with Siemens customer during Analyze and testing phase, among others with T-Mobile and Vodafone in Germany, Singular in USA, Bulgarian MobiTel, Italian TIM and H3G Hong Kong.

Tools: Java, Java Swing, C++, CORBA (TAO and IONA), JACORB, Web Services, SQL, JDBC, Perl, UNIX bash and shell scripts, JavaScript, XML, XML Schemas, CSS, JavaScript, html, ANT, UML, Rational Rose , JBuilder, ClearCase, Xemacs, XmlSpy, Eclipse, DreamWeaver, C++ workshop, JBOS, MySQL, Oracle, Wiki and Bugzilla.

Operative Systems: Windows, Solaris and Linux

Ericsson – Sweden - June 1997– End of July 2001

My thesis and research period at Ericsson; from June 1997 to November 1997 (6 months).

Worked on design and development of an Operation & Maintenance System in Java for the third generation of Mobile Telephony, RANOS (Radio Access Network Operation and Support

Tools: Java, Swing, CORBA (IONA), JDBC, XML, bash and shell scripting, SGML, XHTML, JavaScript, Web Services, UM, Rational Rose, SODA, JBuilder, Clear Case, Xemacs and Sybase.

.
Developed a major web-based application for automated test reporting, graph generation and....

Tools: Java, Applet, Java AWT, Java net, Java Socket, Java 2D, Java 3D, MySQL, JDBC, HTML, UML, Rational Rose, JBuilder, Clear Case, Xemacs and Tomcat.

As part of a team, developed a demo version of a Test Management System in Java to automate the test run processes and report generation for UMTS verification in Stockholm.

Tools: Java, Java Swing, C++, CORBA, Java net, Java Socket, HTML, MySQL, JDBC, UML, Servlet, Rational Rose, Visual Age, Clear Case, Xemacs, Tomcat web server.

Designed and developed methods and scripts to automatically update one of the Ericsson Extranet web pages, i.e. Test Sub Group, through firewall. Ericsson's international customers to obtain verifications and test results use this site.

Tools: Java, HTML, CGI, Shell and bash scripts, SSH, Clear Case, Emacs, Tomcat and MySQL.

Designed and developed a tool for tracing of fault reports. A new fault report could be inserted, its status could be changed, and it could be closed and etc.

Tools: Java, Java net, Java Applet, Servlet, MySQL, UML and HTML, Ant, Clear Case, Emacs and Tomcat.

Operative Systems: Windows, Mac, Linux and Solaris